



## DEPARTMENT OF ENVIRONMENTAL QUALITY

KATHLEEN BABINEAUX BLANCO

GOVERNOR

MIKE D. McDANIEL, Ph.D.

SECRETARY

Certified Mail No.

Agency Interest No. 3165  
Activity No.: PER20060012

Mr. Richard D. Bedell  
Manager, Louisiana Refining Division  
Marathon Petroleum Company LLC  
P. O. Box AC  
Garyville, Louisiana 70051

RE: Part 70 permit, Garyville Major Expansion Project, Louisiana Refining Division, Marathon Petroleum Company LLC, Garyville, St. John the Baptist Parish, Louisiana

Dear Mr. Bedell:

This is to inform you that the permit for the above referenced facility has been approved under LAC 33:III.501. The permit is both a state preconstruction and Part 70 Operating Permit. The submittal was approved on the basis of the emissions reported and the approval in no way guarantees the design scheme presented will be capable of controlling the emissions as to the types and quantities stated. A new application must be submitted if the reported emissions are exceeded after operations begin. The synopsis, data sheets and conditions are attached herewith.

It will be considered a violation of the permit if all proposed control measures and/or equipment are not installed and properly operated and maintained as specified in the application.

Operation of this facility is hereby authorized under the terms and conditions of this permit. This authorization shall expire at midnight on the \_\_\_\_\_ of \_\_\_\_\_, 2011, unless a timely and complete renewal application has been submitted six months prior to expiration. Terms and conditions of this permit shall remain in effect until such time as the permitting authority takes final action on the application for permit renewal. The permit number and date of issue cited below and the Agency Interest No. cited above should be referenced in future correspondence regarding this facility.

Done this \_\_\_\_\_ day of \_\_\_\_\_, 2006.

Permit No.: 3039-V0

Sincerely,

Chuck Carr Brown, Ph. D.

Assistant Secretary

SGQ  
US EPA Region VI

**ENVIRONMENTAL SERVICES**  
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**AIR PERMIT BRIEFING SHEET  
PERMITS DIVISION  
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**LOUISIANA REFINING DIVISION, GARYVILLE MAJOR EXPANSION  
AGENCY INTEREST NO. 3165  
MARATHON PETROLEUM COMPANY LLC  
GARYVILLE, ST. JOHN THE BAPTIST PARISH, LOUISIANA**

**I. BACKGROUND**

Marathon Petroleum Company (MPC) LLC, an existing petroleum facility began operation in and around September 1976. The Louisiana Refining Division currently operates under several Part 70 Permits No. 2891-V3 dated May 31, 2006; No. 2893-V2 dated September 6, 2006; No. 2887-V2 dated December 16, 2005; and No. 2640-V4 dated February 22, 2006; and several Prevention of Significance Deterioration Permits No. PSD-LA-548 dated March 16, 1989; PSD-LA-568(M-1) dated August 27, 1998; and PSD-LA-640 dated October 21, 1999. This permit deals with the new sources associated with the Garyville Major Expansion (GME) Project and the requirements of Prevention of Significance Deterioration Permit No. PSD-LA-719.

**II. ORIGIN**

A permit application and Emission Inventory Questionnaire (EIQ) dated May 1, 2006 were received to permit a new project, GME Project, which will increase the capacity of the facility. Additional information as of September 2006 was also received.

**III. DESCRIPTION**

In order to help meet the energy needs of the nation, Marathon Petroleum Company (MPC) proposes to expand the existing full conversion petroleum refinery by the addition of eight new process units including a 180,000 barrels per calendar day crude unit. This project is named the Garyville Major Expansion (GME) Project and will increase the total capacity of the Louisiana Refining Division to 425,000 barrels per calendar day. GME Project would affect other existing units; therefore, the corresponding permits will also be modified.

The refining operations typically involve the following four categories: storage, separation, conversion, and blending. MPC currently processes crude oil into unleaded, mid-grade, super unleaded, and reformulated gasoline; jet fuel/kerosene; low and high sulfur diesel and No. 6 fuel oil; isobutane; propane; propylene; asphalt; coke and sulfur. Processes used in the refining of the crude oil are atmospheric distillation, vacuum distillation, desalting, fluid catalytic cracking, hydrotreating, asphalt production, hydrogen fluoride (HF) alkylation, reforming, isomerization, hydrocracking, and coking.

**AIR PERMIT BRIEFING SHEET  
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AGENCY INTEREST NO. 3165  
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The following new process units will be installed at the refinery:

**Crude/Vacuum Distillation Unit:** The new Crude/Vacuum Distillation Unit will separate raw crude oil into various components such as Liquefied Petroleum Gas (LPG), Naphtha, Kerosene, Distillate, Gas Oil, and Vacuum Resid (Crude Vacuum Tower Bottoms). These component streams will be further processed in other downstream refinery units. The Crude/Vacuum Distillation Unit consists of crude desalting vessels, crude oil charge heaters, an atmospheric distillation tower, vacuum tower charge heaters, a vacuum distillation tower, and numerous heat exchangers.

**Saturates Gas Plant:** The new Saturates Gas Plant will recover Propane, Butane, and Light Naphtha from sour refinery off gas and LPG streams. Unabsorbed off gas will be sent to the refinery fuel gas treaters. The recovered propane will be Merox treated, dehydrated, and sent to the Tank Farm. The recovered Butanes will be Merox treated and sent to the existing HF Alkylation Unit. The recovered Light Naphtha will be sent to the Crude Unit's Light Naphtha handling section. The Saturates Gas Plant has one fired heater.

**Gas Oil Hydrocracker Unit:** The new Gas Oil Hydrocracker Unit (HCU) will desulfurize and hydrocrack existing Fluidized Catalytic Cracking Unit Light Cycle Oil, Heavy Vacuum Gas Oils, and Coker Gas Oils to higher value liquid products. The HCU Distillate will meet the Ultra Low Sulfur Diesel on-road diesel specifications.

The HCU Reactor System consists of two trains of three reactors each. Each train contains a Guard Reactor, a Treating Reactor, and a Hydrocracking Reactor. The purpose of the Guard and Treating Reactors is to remove metals, sulfur, and nitrogen before the feed is hydrocracked in the final reactor. All the reactions take place in the presence of a high hydrogen environment. The liquid and gas from the reactor effluent is separated in series of separators and flash drums. The gas is scrubbed to remove hydrogen sulfide ( $H_2S$ ) and then recycled back through the reactor loop via a recycle compressor. A make-up hydrogen compressor supplies the make-up hydrogen for the reactions. In addition to the reactors, each HCU train consists of a fired heater.

The liquid from the flash drums is routed to the Stripper to be stripped of hydrogen sulfide, ammonia, and light ends. Overhead liquid product from the Stripper is routed to the Debutanizer to recover the LPG product from the Naphtha. The bottoms product from the Stripper is routed to the Product Fractionator. The purpose of the Product Fractionator is to separate Naphtha and Distillated product from the Unconverted Oil. The Naphtha

**AIR PERMIT BRIEFING SHEET  
PERMITS DIVISION  
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**LOUISIANA REFINING DIVISION, GARYVILLE MAJOR EXPANSION  
AGENCY INTEREST NO. 3165  
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from the Product Fractionator and the Debutanizer is routed to the Naphtha Splitter to produce a Light and Heavy Naphtha product. The Light Naphtha product is routed to gasoline blending and the Heavy Naphtha product is routed directly to the Continuous Catalytic Reformer (CCR) Unit. The Diesel product is steam stripped and routed to Ultra Low Sulfur Diesel (ULSD) storage.

**Naphtha Hydrotreater:** The purpose of the Naphtha Hydrotreater (NHT) is to lower the sulfur, nitrogen, and silicon content of Sour Naphtha in a fixed bed catalyst system to prepare Platformer feed. The fixed bed reactor is where the desulfurizing and denitration reactions take place. Make-up hydrogen is obtained from the Platformer net gas. The treated naphtha is stripped of any hydrogen sulfide before being routed to the Platformer as feed. Feed to the NHT comes from the Crude Units with additional capacity available from tankage. The NHT has two fired heaters.

**CCR Platformer (Reformer):** The CCR Platformer takes Sweet Naphtha feed from the Naphtha Hydrotreater and Gas Oil Hydrocracker and increases its octane by converting paraffins and naphthenes to aromatics. A byproduct of this reaction is hydrogen which is used as make-up hydrogen for other refinery units. A hydrogen purification unit called the Pressure Swing Adsorption (PSA) increases the net hydrogen purity from ~83% to 99.9%.

The Platformer reactions take place in three reactors which have continuous catalyst circulation. The catalyst enters the top of the reactor stack as fresh catalyst. Carbon is deposited on the catalyst as it gravity flows through the reactors. At the bottom of the reactor stack, the catalyst has accumulated its full carbon load and is sent through a regenerator which uses oxygen to remove the carbon and adds chloride to the regenerated catalyst to activate it. The Regenerator produces a vent gas stream which is treated by a caustic scrubber to remove organic compounds and chloride before being vented to the atmosphere. The Platformer has four fired heaters.

**Kerosene Hydrotreater:** The purpose of the Kerosene Hydrotreater (KHT) is to lower the sulfur content of Sour Kerosene and Heavy Coker Naphtha. Feed to KHT comes from the Crude Units and the Coker Units with additional capacity available from tankage. The reactor system uses hydrogen and a fixed catalyst bed to remove sulfur and other contaminants. The treated product is then separated into two product streams – Naphtha routed to the NHT (via the Crude Units) and Kerosene sent to tankage. The KHT has two fired heaters.

**AIR PERMIT BRIEFING SHEET**  
**PERMITS DIVISION**  
**LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**LOUISIANA REFINING DIVISION, GARYVILLE MAJOR EXPANSION**  
**AGENCY INTEREST NO. 3165**  
**MARATHON PETROLEUM COMPANY LLC**  
**GARYVILLE, ST. JOHN THE BAPTIST PARISH, LOUISIANA**

**Delayed Coker:** The purpose of the Delayed Coker Unit is to produce lighter, more valuable products from Vacuum Resid, a product normally sold as Asphalt or Bunker Fuel. This is accomplished by heating the Vacuum Resid feed in a fired heater and then routing this material to a coke drum. The heat causes cracking reactions, producing coke and separating the lighter material as vapor from the drum overhead. These overhead vapors are routed to the Main Fractionator where they are separated into Gas Oil, Distillate, and with the help of the Gas Recovery Unit, Naphtha, LPG, and Offgas. The Sour Gas Oil, Distillate, and Naphtha are sent to downstream hydrotreating units. The Offgas and LPG streams are treated with amine and then sent to a Merox Unit to reduce sulfur content. The coke is cut out of the drums then transported via the existing conveyor system to barge loading at the existing coke dock.

The Merox Unit produces the Disulfide Separator Offgas. This gas is normally burned in the Coker's Charge Heater but emits to the atmosphere through a carbon canister in the event of a heater trip. The other vent is from the Coke Drum at the end of the quench before the drum is opened for drilling. The new Coker Unit utilizes a pressure reduction system that will reduce the pressure when the drum is vented thereby reducing emissions.

**Coker Gas Plant (Unsaturates Gas Plant):** The purpose of the Coker Gas Plant, or the Unsaturates Gas Plant, is to separate Light Naphtha, LPG olefins, and fuel gas from Fractionator overhead streams routed from the existing Fluid Catalytic Cracking Unit (FCCU) and new Delayed Coker Unit. The Unsaturates Gas Plant will be similar in process flow to the existing FCCU Gas Con Unit, and the existing Coker Gas Plant.

The Fractionator overhead streams from the New Delayed Coker and the existing FCCU will be combined in a feed surge drum. From here the vapor will be compressed by a wet gas compressor and the liquid pumped to the Absorber tower. The Absorber tower will utilize lean oil (Debutanizer Bottoms) to contact and absorb remaining LPG material from the offgas. The Stripper tower will remove fuel gas material from the LPG/Light Naphtha and send it back to the Absorber. The Debutanizer will receive feed from the Stripper Bottoms and separate the LPG from the Light Naphtha. The LPG Merox Unit will receive feed from the overhead of the Coker and FCCU Debutanizers, and utilize caustic in an extractive process to remove hydrogen sulfide and mercaptans from the LPG. The C3/C4 Splitter will then take feed from the LPG Merox and separate it into mixed C3 and mixed C4 products, where the mixed C3 is routed to the existing propylene unit and the mixed C4 will be routed to the existing HF Alkylation unit.

**AIR PERMIT BRIEFING SHEET  
PERMITS DIVISION  
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**LOUISIANA REFINING DIVISION, GARYVILLE MAJOR EXPANSION  
AGENCY INTEREST NO. 3165  
MARATHON PETROLEUM COMPANY LLC  
GARYVILLE, ST. JOHN THE BAPTIST PARISH, LOUISIANA**

**Hydrogen Plant:** The GME Project will increase the consumption of Hydrogen; therefore, a new Hydrogen Plant is proposed to be constructed to fulfill the excess Hydrogen consumption. The hydrogen production process consists of feed gas hydrodesulfurization, steam-methane reforming, water-gas shift conversion, and hydrogen purification.

Feed natural gas is desulfurized in fixed catalyst beds in the presence of hydrogen. The desulfurized natural gas and/or refinery fuel gas is mixed with steam and introduced into the steam-methane reformer (SMR), where the mixture is passed through a catalyst filled tubes located in the radiant section of the reforming furnace. The natural gas or refinery fuel gas and steam will react to form hydrogen and carbon oxides (CO and CO<sub>2</sub>) at high temperatures in the Reforming Furnace. The syngas exiting the reformer is cooled by generating steam in a process gas heat recovery boiler. Then, the cooled syngas is passed through the high temperature shift reactor, where additional hydrogen is produced by a continuation of the exothermic water-gas shift reaction. The hot process gas or syngas is then cooled by non-contact heat exchanger (cooling water tower). The cooled process gas is purified via a pressure swing adsorption (PSA) unit to produce high purity hydrogen. The hydrogen leaving the PSA is compressed and utilized at various units.

**Sulfur Block:** The new Sulfur Block will consist of the following units; two Sulfur Recovery Units and their associated Tail Gas Units, two process Amine Regeneration Units, one Tail Gas Amine Regeneration Unit, two Sour Fuel Gas Absorbers, and one Sour Water Stripper. The combined purpose of these units is to be the final step in removing sulfur and nitrogen from the products produced by the refinery. Liquid sulfur from the Sulfur Block will be transported off-site as a by-product by truck or railcar. A new sulfur tank will be installed to provide additional on-site storage before transport. The Sulfur Block also includes storage for Amine and Sour Water within their respective units.

The two Amine Regeneration Units will provide lean amine to the new process units that require amine (Sats Gas Plant, Hydrocracker, Kerosene Hydrotreater, Coker, Fuel Gas Absorbers, etc.). The lean amine is used in these process units to absorb hydrogen sulfide and is returned to the process Amine Regeneration Units as hydrogen sulfide laden rich amine. The rich amine stripper uses steam as a heat source to strip hydrogen sulfide from the amine. The amine, once it is stripped of hydrogen sulfide, is considered lean and is recycled back to the process units to pick up more hydrogen sulfide. The overhead vapors from the amine stripper are one of the primary feed streams to the Sulfur Recovery Units (also called amine acid gas).

**AIR PERMIT BRIEFING SHEET  
PERMITS DIVISION  
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**LOUISIANA REFINING DIVISION, GARYVILLE MAJOR EXPANSION  
AGENCY INTEREST NO. 3165  
MARATHON PETROLEUM COMPANY LLC  
GARYVILLE, ST. JOHN THE BAPTIST PARISH, LOUISIANA**

The primary role of the Sour Water Stripper is to process sour water produced by the new GME process units and ensure the water is fit to be sent to the refinery's Waste Water Treatment Plant. Various sour water streams from the new units will be sent to a flash drum and collected in sour water tankage designed to separate entrained oil from the water streams. The water is then sent to the Sour Water Stripper where steam is used to strip any ammonia and other light contaminants in the water. The clean or stripped water is then cooled and sent to the refinery's Waste Water Treatment Plant for final treatment. The overhead vapors from the sour water stripper are the second primary feed stream to the Sulfur Recovery Units (also called ammonia acid gas).

The new Sulfur Recovery Units (SRUs) will be identical in design to the refinery's existing Sulfur Recovery Units. The amine acid gas and ammonia acid gas are fed to the SRUs. The conversion of hydrogen sulfide to elemental Sulfur and the disassociation of ammonia to nitrogen are accomplished in the SRU Reactor by a controlled reaction with enriched oxygen. The liquid sulfur produced in the reaction chamber flows to a sulfur pit (designed with degassing abilities) and then to a new sulfur storage tank prior to sales via truck or railcar. In addition to the normal air based operation, these Sulfur Recovery Units will have the ability to utilize oxygen enrichment similar to the existing Sulfur Plants.

Following the main reactor, each Sulfur Plant has a tail gas treating section to remove any remaining hydrogen sulfide that may be present. The tail gas treating area has an additional reactor, waste heat recovery exchanger, quench column, amine absorber, and a thermal oxidizer, all of which are designed to reduce any airborne pollution from the SRU. In this section any remaining hydrogen sulfide is oxidized to sulfur dioxide in the thermal oxidizer.

A separate Tail Gas Amine Regeneration Unit will provide lean amine to the two Sulfur Recovery Tail Gas Units. This Tail Gas Amine Regeneration Unit will be similar in design to the above mentioned process Amine Regeneration Units. The only difference will be that this amine is designed to be used only by the Tail Gas Treating Units (TGTU). Process amine cannot be mixed with tail gas amine on a normal basis; hence, the requirements for a separate Amine Regeneration Unit solely intended for the TGTU. The acid gas from the tail gas amine regenerator is then fed back to the front end of the SRU just like acid gas from the process Amine Regeneration Units.

Two new Sour Fuel Gas Absorbers will collect sour gas from the various GME units and remove any hydrogen sulfide contained in these streams by using lean amine provided by

**AIR PERMIT BRIEFING SHEET  
PERMITS DIVISION  
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**LOUISIANA REFINING DIVISION, GARYVILLE MAJOR EXPANSION  
AGENCY INTEREST NO. 3165  
MARATHON PETROLEUM COMPANY LLC  
GARYVILLE, ST. JOHN THE BAPTIST PARISH, LOUISIANA**

the Amine Regeneration Units. The lean amine contacts the sour fuel gas in the absorbers. The result is clean fuel gas that will go to the new fuel gas mix drum for use in process fired heaters. Rich amine is returned to the process Amine Regeneration Unit for stripping.

**Raw Water Treatment Plant:** A new Raw Water Treatment Plant will use cold-lime softening clarifiers and sand filters to provide clarified and filtered water to the refinery. Unfiltered and Filtered Water will be used as make-up water in the cooling towers and the Steam Plant, respectively. Two carbon beds and a sand filter will be added to the existing potable water system to provide additional potable water at the refinery.

**Steam Plant:** The new Steam Plant will consist of two new package boilers capable of combusting either refinery fuel gas or natural gas and will supply 600 pound steam to the refinery. The units will include Zeolite Softeners and Deaerators for treating boiler feed water.

**Cooling Water Towers:** Two new Cooling Water Towers will be installed at the refinery. The Cooling Towers will receive clarified water from the raw water treatment plant, and the water conditioning material from the dedicated metering systems.

**Wastewater Treatment and Storm Water Storage:** The existing Waste Water Treatment Plant (WWTP) will be expanded by adding a second two bay API Separator, a fourth Induced Gas Flotation or Dissolved Air Flotation separation unit, and a fifth activated sludge biological treatment unit. In addition to the treatment equipment, the refinery's wastewater collection and storage system will be expanded and enhanced.

**Control Room:** The control room equipment will be expanded and enhanced (Distributed Control System consoles, emergency shutdown switches) as needed along with the electrical infrastructure (new power grids, emergency generators, etc.)

**Flare System:** An emergency relief system which consists of high and low pressure relief headers, flare knockout drums with pumps, and an elevated steam assisted flare tip with molecular seal will be constructed.

**Pipe Racks:** Elevated pipe racks will be installed which will support process, utility, and product piping as well as instrument and power cables.

**AIR PERMIT BRIEFING SHEET  
PERMITS DIVISION  
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**LOUISIANA REFINING DIVISION, GARYVILLE MAJOR EXPANSION  
AGENCY INTEREST NO. 3165  
MARATHON PETROLEUM COMPANY LLC  
GARYVILLE, ST. JOHN THE BAPTIST PARISH, LOUISIANA**

**Tank Farm Piping and Blending Facilities:** New piping systems will be constructed in the existing Tank Farm along with a new Crude Oil Blend System. A new Gasoline Blend System will also be constructed to support the increase in gasoline blending requirements.

**Loading Rack and Rail Facilities:** Two new truck loading arms will be installed and existing railcar loading arm will be refurbished to support the expansion. These loading arms will be utilized to load liquid sulfur. Several new railcar staging spots will also be constructed.

**New Tank Farm Tankage:** Thirteen new storage tanks will be constructed with floating roof, except for one new No. 6 Fuel Oil tank and one new Gasoil tank, for the storage of crude, gasoline, diesel, kerosene, and/or fuel oil. In addition two new spheres will also be constructed for propane storage and a new sphere will be added to serve as an intermediate LSR HTU feed surge vessel.

**Marine Ship Dock:** The existing barge dock (Dock No. 3) will be expanded by adding a ship dock section. New structure and piping will be installed to service the new ship dock station. A new Marine Vapor Combustion will also be installed to service both the new ship dock and existing dock.

The following existing units will be modified or revamped:

**Fluid Catalytic Cracking Unit:** Processing of the higher quality gas oil from the Hydrocracker will require higher catalyst circulation rates in the FCCU. To meet this goal several modifications will be undertaken: 1) the Regenerated Catalyst Standpipe and J-bend section and feed nozzles will be replaced to improve steam stripping without restricting resistance to erosion; 2) the Reactor Stripper internals will be replaced to improve circulation and defluidizing the catalyst; and 3) a portion of the 38 inch diameter Spent Catalyst Standpipe will be replaced with a larger diameter, the lower Spent Slide Shutoff Valve will be removed and a new Upper Spent Slide Valve with a fast-actuator will be installed; 3) the main fractionator internals and the wet gas compressor will be replaced along with other appropriate changes; 4) the Gas Con Towers internals, overhead coolers, and reboilers will be modified; and 5) an antimony injection system will be installed to alleviate the wet gas compressor constraint to increase the FCCU charge rate and reactor temperature.

**AIR PERMIT BRIEFING SHEET  
PERMITS DIVISION  
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**LOUISIANA REFINING DIVISION, GARYVILLE MAJOR EXPANSION  
AGENCY INTEREST NO. 3165  
MARATHON PETROLEUM COMPANY LLC  
GARYVILLE, ST. JOHN THE BAPTIST PARISH, LOUISIANA**

The shift in conversion due to the replacement of regular Sweet Gas Oil feed with Hydrocracker Gas Oil will produce more Light Naphtha and LPG ranged material. To accommodate this shift the Main Fractionator tower and the Gas Con Unit will be modified as follows: 1) the Main Fractionator internals will be replaced to allow for the increase in vapor/liquid traffic along with the pump around system; 2) the Wet Gas Compressor will be modified with a new electric motor to accommodate the larger overhead vapor rate; 3) several towers in the Gas Con will be fitted with new internals with appropriate modifications to the overhead coolers and reboilers to maintain good product separation; 4) will install new tie-ins to connect a line from the Gas Con Wet Gas Compressor to the suction of the new Coker Wet Gas Compressor and a line from the Gas Con Debutanizer overhead to the new Coker LPG Merox Unit.

HF Alkylation Unit: To accommodate the changes in the feed composition, the existing HF Alkylation Unit will be modified (defluorinated feed exchanger, vessels, condenser, and treater and replace the Acid Soluble Oil washer and surge drum). The new Coker LPG will be combined with a slipstream of FCCU LPG and fractionated in a new C3/C4 Splitter. From this splitter, C3s will be routed to the Propylene Splitter for backing out Refinery Grade Propylene and C4s will be routed to the HF Alkylation Unit. To deal with the excess normal Butane yield an identical side-draw circuit will be installed which consists of a Defluorinator feed exchanger, two Butane Defluorinator vessels, a Butane Condenser, and a Butane KOH Treater. The existing acid regeneration column, Acid Soluble Oil (ASO) washer, and ASO surge drum will be replaced in order to maintain acid strength in the unit.

Crude Unit: Modifications to the existing Crude Unit Desalter internals, interface level indication, and voltage grids will be implemented, and water slug detection probes will be installed in the Crude fill and charge heaters.

Gas Oil Hydrotreater: Existing piping, control valves, and exchangers will be replaced to accommodate the handling of crude that is high in acid content.

Light Straight Run Hydrotreater (LSR HT) and Penex Units: A new sphere will be constructed in the Tank Farm with associated piping and fugitive components to operate as a surge vessel for the existing LSR Hydrotreater Unit which feeds the Penex Unit. The feed to the sphere will come from the existing Deisopentanizer (DIP) Tower in the existing Crude Unit.

**AIR PERMIT BRIEFING SHEET  
PERMITS DIVISION  
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**LOUISIANA REFINING DIVISION, GARYVILLE MAJOR EXPANSION  
AGENCY INTEREST NO. 3165  
MARATHON PETROLEUM COMPANY LLC  
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Potable Water Unit: All necessary changes will be made to the Potable Water Unit to accommodate the requirements due to the GME Project.

Tie-Ins: In addition to the specific unit revamps discussed above, all new units and utilities being constructed associated with the GME Project will be integrated into the existing facility by the way of interconnecting piping, fugitive components, and controls – affording the combined facility added flexibility and backup capabilities. The expected units are as follows: Coker and Gas Plant, LSR HT and Penex Units, Crude/Vacuum Unit, Sour Water/Amine Units, FCCU and Gas Con Unit, Intermediate Storage, WWTP, Piperack, Tank Farm, Raw Water Treating, Steam Plant, Cooling Water, Potable Water Plant and Instrument Air.

Fuels and Fuel Use: The combustion sources at the refinery are primarily fueled by natural gas and refinery fuel gas, predominantly in the heaters and boilers. Other fuels used are diesel and gasoline.

Based on the above referenced GME Project undertaking and the impact on the existing units and equipment there will be an increase in the overall production (gasoline, diesel, jet fuel/kerosene, No. 6 Oil, isobutane, elemental sulfur, etc.) at the facility.

Prevention of Significant Deterioration (PSD) review is required for the modification of an existing major source that results in a significant increase of regulated pollutants. Emissions increases due to the GME Project for all criteria pollutants including sulfuric acid are above the significance levels and must undergo netting analysis. The following tables show the emissions increases and the required netting analysis.

Estimated emissions increases from the GME Project including the startup/shutdown operation based on actual to potential and incremental (where no modification is done to the unit or equipment but the emissions are increasing due to the project) in tons per year is as follows:

<u>Pollutant</u>	<u>2004/2005 Average Emissions</u>	<u>Post GME Project Emissions</u>	<u>Incremental Emissions</u>	<u>Total Emissions Increase</u>	<u>Change</u>
PM <sub>10</sub>	64.51	285.03	0.14	285.17	220.66
SO <sub>2</sub>	31.39	597.05	0.08	597.13	565.74
NO <sub>x</sub>	254.41	923.41	1.10	924.51	670.10

**AIR PERMIT BRIEFING SHEET**  
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**LOUISIANA REFINING DIVISION, GARYVILLE MAJOR EXPANSION**  
**AGENCY INTEREST NO. 3165**  
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<u>Pollutant</u>	<u>2004/2005 Average Emissions</u>	<u>Post GME Project Emissions</u>	<u>Incremental Emissions</u>	<u>Total Emissions Increase</u>	<u>Change</u>
CO	263.54	1589.80	1.46	1591.26	1327.72
VOC	238.38	901.17	32.34	933.51	695.13
H <sub>2</sub> SO <sub>4</sub>	16.17	37.22	0.00	37.22	21.05
H <sub>2</sub> S	22.74	28.98	0.00	28.98	6.24

For the netting analysis a contemporaneous period will have to be established. The construction on the GME Project is expected to start in July 2007. Therefore, the beginning of the PSD contemporaneous period will be five years prior to July 2007. The GME Project is expected to startup in September 2009. Therefore, all emission changes from July 2002 through September 2009 will be accounted for in the contemporaneous period.

A breakdown of the emissions based on new and existing equipment, contemporaneous period, and the comparison to the PSD significance level in tons per year is as follows:

<u>Pollutant</u>	<u>New Equipment</u>	<u>Existing Equipment</u>	<u>Contemporaneous Period</u>	<u>Total Increase</u>	<u>PSD De Minimis</u>	<u>Netting Analysis</u>
PM <sub>10</sub>	173.72	46.93	+ 20.42	241.07	15	Yes
SO <sub>2</sub>	419.74	146.01	+ 146.51	712.25	40	Yes
NO <sub>x</sub>	569.71	100.39	+ 29.18	699.28	40	Yes
CO	940.80	386.92	- 7.93	1319.79	100	Yes
VOC	556.67	138.48	+ 138.87	834.02	40	Yes
H <sub>2</sub> SO <sub>4</sub>	Neg.	21.05	0.00	21.05	7	Yes
H <sub>2</sub> S	2.81	3.42	-	6.24	10	No

Under PSD regulations a Best Available Control Technology (BACT) analysis is required for the units or equipment that is physically modified or is new and emits pollutants that are increasing above the significance levels. In this case BACT is required for all the new equipment installed under the GME Project.

**AIR PERMIT BRIEFING SHEET  
PERMITS DIVISION  
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**LOUISIANA REFINING DIVISION, GARYVILLE MAJOR EXPANSION  
AGENCY INTEREST NO. 3165  
MARATHON PETROLEUM COMPANY LLC  
GARYVILLE, ST. JOHN THE BAPTIST PARISH, LOUISIANA**

The facility is voluntarily installing Selective Catalytic Reduction (SCR) in addition to Ultra Low NO<sub>x</sub> Burners (ULNB) (0.0125 lb/MM BTU) to reduce NO<sub>x</sub> on the following equipment: GME A and B Crude Heaters (Emission Points 1-08 and 2-08), GME A and B Vacuum tower Heaters (Emission Points 3-08 and 4-08), GME Coker Charge Heater (Emission Point 15-08), and GME Hydrogen Reformer Furnace Flue Gas Vent (Emission Point 48-08). The SCR could have been rejected on the basis of economical infeasibility (\$10,000 to \$73,000 per ton NO<sub>x</sub> reduction based on heater size).

Other heaters will have ULNB (0.03 lb/MM BTU w/o air preheat) as BACT for NO<sub>x</sub>, and the boilers will have ULNB with Fuel Gas Recirculation (FGR) (0.04 lb/MM BTU) as BACT for NO<sub>x</sub>.

Heaters and boilers fired with refinery fuel gas will have good engineering practice (proper burner design and operation), and 0.04 lb/MM BTU as BACT for CO; good engineering practice (efficient tuning of the burner fuel input), and 0.0015 lb/MM BTU as BACT for VOC; similarly good engineering practice (burner design and fuel), and 0.0075 lb/MM BTU as BACT for PM<sub>10</sub>; and low sulfur refinery fuel gas (25 ppmv as H<sub>2</sub>S) as BACT for SO<sub>2</sub>.

The Sulfur Recovery Unit will have Parallel, Multistage Claus trains and a tail gas treater (efficiency 99.9% or greater), TGTU Thermal Oxidizer (greater than 99.5% conversion efficiency checked by continuous emission monitors (CEM)), and a SO<sub>2</sub> limit of 93.41 ppm on a dry basis corrected to 0% excess air at the TGTU exhaust outlet. Proper operating work practices for sour water tank storage, recycling sulfur pit vent gas to the SRU, and excess SRU capacity is considered as BACT for SO<sub>2</sub>. A limit of 15 ppmv is considered as BACT for H<sub>2</sub>S prior to loading from the sulfur pit. This will be achieved by degassing of the liquid sulfur and routing the emissions from the sulfur pit back to the Acid Gas stream entering the SRU. For the Tail Gas Thermal Oxidizer the proposed fuel is the refinery fuel gas and pipeline natural gas. Optimized air-fuel ratio is considered as BACT for PM<sub>10</sub>, CO and VOC emissions. An emission limit of 0.20 lb/MM BTU is considered as BACT for NO<sub>x</sub>.

The facility will install thirteen new large cylindrical tanks associated with the GME Project to store gasoline, crude oil, sweet kerosene, ultra low sulfur diesel, No. 6 fuel oil, etc. Some existing tanks will also be utilized to store additional products. If the new storage tanks are subject to NSPS and NESHAP requirements then that requirement will be considered as BACT. Existing tanks are already controlled under the federal or state requirements. Some tanks may not be controlled under BACT because of economical

**AIR PERMIT BRIEFING SHEET  
PERMITS DIVISION  
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**LOUISIANA REFINING DIVISION, GARYVILLE MAJOR EXPANSION  
AGENCY INTEREST NO. 3165  
MARATHON PETROLEUM COMPANY LLC  
GARYVILLE, ST. JOHN THE BAPTIST PARISH, LOUISIANA**

infeasibility as the VOC cost effectiveness will be from \$16,100 to \$104,700 per ton VOC reduction to modify the existing storage tank to a floating roof tank or using Thermal Oxidation as an add on control device.

The Heat Exchangers/Refinery Cooling Towers will have a monthly monitoring program and is considered as BACT for VOC. High efficiency drift eliminators are considered as BACT for PM<sub>10</sub> from the Refinery Cooling Tower along with a drift rate of 0.005 percent of the circulating water rate.

A Leak Detection and Repair (LDAR) program complying with both the First Revised Consent Decree and Louisiana Refinery MACT Determination of July 26, 1994 is considered as BACT for fugitive emissions associated with the GME Project.

The PM<sub>10</sub> emissions from coke handling process may occur at conveyor transfer points, open piles, crane handling, the coke crusher, and the marine barge loading. Maintaining moisture content of 8-12% is considered as BACT along with an enclosed conveyor and minimizing wind exposure (area enclosed by wall) at the coke pit.

The proposed design of the Wastewater Treatment Plant with an equalization external floating roof tank, biotreatment and oil water separators along with the requirements of the NSPS and NESHAP regulations is considered as BACT for VOC emissions.

Loading losses from the marine loading having a true vapor pressure greater than 0.5 psia will be routed to the new Marine Vapor Combustor and is considered as BACT for VOC emissions. The Marine Vapor Combustor and the GME Flare shall comply with the requirements of NSPS which is considered as BACT for all the criteria pollutants.

The facility will utilize catalyst additive to lower FCCU Regenerator Vent NO<sub>x</sub> concentration to 40 ppm at 0% oxygen (annual average) which is considered as BACT for NO<sub>x</sub> emissions. Full burn combustion is considered as BACT for CO and VOC emissions. The FCCU consists of a Venturi Wet Scrubber to control SO<sub>2</sub> and PM<sub>10</sub> emissions. A concentration limit of 0.3 lb/1000 lb of coke burn is considered as BACT for PM<sub>10</sub> emissions and a SO<sub>2</sub> concentration of 25 ppmv at 0% oxygen (annual average) is considered as BACT for SO<sub>2</sub> emissions and as surrogate for H<sub>2</sub>SO<sub>4</sub> emissions. The FCCU Regenerator Vent is equipped with a SO<sub>2</sub> CEM as per the requirements of the First Revised Consent Decree – A NSR Global Settlement (Civil Action No. 01-CV-40119-PVG) between USA EPA and Marathon Ashland Petroleum date of entry November 17, 2005

**AIR PERMIT BRIEFING SHEET  
PERMITS DIVISION  
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**LOUISIANA REFINING DIVISION, GARYVILLE MAJOR EXPANSION  
AGENCY INTEREST NO. 3165  
MARATHON PETROLEUM COMPANY LLC  
GARYVILLE, ST. JOHN THE BAPTIST PARISH, LOUISIANA**

The facility shall comply with ambient air standard requirements of Louisiana Toxic Air Pollutants (LTAP). The initial screening analysis demonstrated compliance for the following compounds: 1,1,2,2-Tetrachloroethane, 1-3,Butadiene, Arsenic, Barium, Cadmium, Copper, Formaldehyde, Methanol, Nickel, Tetrachloroethylene, Xylenes, and Zinc. The initial refined analysis demonstrated compliance for the following compounds: Ammonia, Chromium, Ethylbenzene, Hydrochloride, Hydrogen Sulfide, Mercury, Naphthalene, n-Hexane, Sulfuric Acid, and Toluene. Additional refined modeling demonstrated compliance for Benzene and Biphenyl.

This permit deals only with the new equipment which will be installed under the GME Project. In order to have operational flexibility emissions caps have been developed for all fugitive emissions under the name GME Fugitive Cap, Emission Point GME FUG; all the heaters and boilers under the name GME Heater/Boiler Cap, Emission Point GME HBC; and the thermal oxidizers under the name GME Thermal Oxidizer Cap, Emission Point GME TOC. All other existing equipment which will be affected by the GME Project will be dealt with by modifying the current Part 70 Operating permits; Permit Nos. 2891-V3, 2893-V2, 2887-V2, and 2640-V4.

Permitted emissions from the new equipment installed under the GME Project which are addressed in this permit in tons per year are as follows:

<u>Pollutant</u>	<u>Emissions</u>
PM <sub>10</sub>	173.72
SO <sub>2</sub>	419.74
NO <sub>x</sub>	569.60
CO	940.81
VOC	417.99
H <sub>2</sub> SO <sub>4</sub>	Neg.
H <sub>2</sub> S	2.81

**IV. TYPE OF REVIEW**

This permit was reviewed for compliance with Louisiana Air Quality Regulations and New Source Performance Standards (NSPS) and National Emission Standards for Hazardous Air Pollutants (NESHAP). Prevention of Significant Deterioration (PSD) does

**AIR PERMIT BRIEFING SHEET  
PERMITS DIVISION  
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**LOUISIANA REFINING DIVISION, GARYVILLE MAJOR EXPANSION  
AGENCY INTEREST NO. 3165  
MARATHON PETROLEUM COMPANY LLC  
GARYVILLE, ST. JOHN THE BAPTIST PARISH, LOUISIANA**

not apply. Also based on the Consent Decree – A NSR Global Settlement (Civil No. 01-40119) between USA EPA and Marathon Ashland Petroleum date of entry August 28, 2001.

This facility is part of a major source of toxic air pollutants. The Air Toxic Compliance Plan No. 92050 was approved April 13, 1995.

The facility is classified under “Petroleum Refineries” for which there are established standards in New Source Performance Standards (NSPS), 40 CFR 60, Subpart J – Petroleum Refineries. Marathon Petroleum Company LLC is also subject to NSPS, Subpart GGG – Standards of Performance for Equipment Leaks of VOC in Petroleum Refineries; 40 CFR 60, Subpart QQQ – Standards of Performance for VOC Emissions From Petroleum Refinery Wastewater System; National Emission Standards for Hazardous Air Pollutants, NESHAP, 40 CFR 63, Subpart CC – National Emission Standards for Hazardous Air Pollutants From Petroleum Refineries; NESHAP, 40 CFR 63, Subpart UUU - National Emission Standards for Hazardous Air Pollutants for Petroleum Refineries: Catalytic Cracking Units, Catalytic Reforming Units, and Sulfur Recovery Units; NESHAP, 40 CFR 63, Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers and Process Heaters; and NESHAP, 40 CFR 61, Subpart FF – National Emission Standard for Benzene Waste Operations. The refinery as a whole is a major source of toxic air pollutants and must comply with all applicable provisions of LAC 33:III.Chapter 51 – Comprehensive Toxics Air Pollutant Emission Control Program. MPC is also subject to all the applicable provisions of Louisiana Refinery MACT Determination dated July 26, 1994.

**V. CREDIBLE EVIDENCE**

Notwithstanding any other provisions of any applicable rule or regulation or requirement of this permit that state specific methods that may be used to assess compliance with applicable requirements, pursuant to 40 CFR Part 70 and EPA's Credible Evidence Rule, 62 Fed. Reg. 8314 (Feb. 24, 1997), any credible evidence or information relevant to whether a source would have been in compliance with applicable requirements if the appropriate performance or compliance test or procedure had been performed shall be considered for purposes of Title V compliance certifications. Furthermore, for purposes of establishing whether or not a person has violated or is in violation of any emissions limitation or standard or permit condition, nothing in this permit shall preclude the use, including the exclusive use, by any person of any such credible evidence or information.

**AIR PERMIT BRIEFING SHEET  
PERMITS DIVISION  
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**LOUISIANA REFINING DIVISION, GARYVILLE MAJOR EXPANSION  
AGENCY INTEREST NO. 3165  
MARATHON PETROLEUM COMPANY LLC  
GARYVILLE, ST. JOHN THE BAPTIST PARISH, LOUISIANA**

**VI. PUBLIC NOTICE**

A notice requesting public comment on the permit was published in The Advocate, Baton Rouge, Louisiana and The L'Observateur, St. John the Baptist Parish, Louisiana, on \*\*\*\*\* \*\*, 2006. Written and oral comments received during the comment period from the general public and organizations will be considered before issuing the permit. Copies of the public notice were mailed out to individuals on the mailing list maintained by Office of Environmental Services on \*\*\*\*\* \*\*, 2006. The proposed permit was sent to EPA via e-mail on \*\*\*\*\* \*\*, 2006.

**VII. EFFECTS ON AMBIENT AIR**

Dispersion Model(s) Used: ISCST3 Version 02035

Pollutant	Time Period	Adjusted Pollutant Concentration*	Louisiana Air Quality Standard (NAAQS)
PM <sub>10</sub>	24-Hour	99.67	150
	Annual	28.01	50
SO <sub>2</sub>	3-Hour	828.62	1300
	24-Hour	226.67	365
	Annual	39.86	80
NO <sub>2</sub>	Annual	36.32	100
CO	1-Hour	3,233.42	40,000
	8-Hour	941.11	10,000

\* Adjusted Pollutant Concentration is the sum of the offsite concentration and the adjusted background concentration.

**VIII. GENERAL CONDITION XVII ACTIVITIES**

Activity	Frequency	Emissions				
		PM <sub>10</sub>	SO <sub>2</sub>	NO <sub>X</sub>	CO	VOC
Sampling Activities	34 times/day					0.80
Replacement of C Canisters	One/month				-	0.12
Fire Training Emissions (Fluid Fuel Burning)	25 times/yr	0.10	1.57	0.55	0.05	0.01
Fire Training Emissions (Propane Burning)	25 times/yr	0.01	0.20	0.38	0.06	0.01

**AIR PERMIT BRIEFING SHEET**  
**PERMITS DIVISION**  
**LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**LOUISIANA REFINING DIVISION, GARYVILLE MAJOR EXPANSION**  
**AGENCY INTEREST NO. 3165**  
**MARATHON PETROLEUM COMPANY LLC**  
**GARYVILLE, ST. JOHN THE BAPTIST PARISH, LOUISIANA**

Activity	Frequency	Emissions				
		PM <sub>10</sub>	SO <sub>2</sub>	NO <sub>x</sub>	CO	VOC
Equipment Cleaning Pad	One/day				-	0.07
Knock Out Drum Drainage	One/wk				-	0.13
Equipment Filters Replacement	One/month				-	0.29
Emissions from De-Coking Operations of Heaters	One/yr	<0.01	0.07	<0.01	<0.01	<0.01
MDEA Reclaiming	One/Yr					0.1
Catalyst Unloading	3/month	0.02			-	-
Catalyst Truck Loading	34-36 trucks/yr	0.05			-	-
Tank Gauging	One/day				-	0.14
Catalyst Changeouts – Coker Unit	Once/2-5 yrs	<0.01				
Changing Filters-Coker Unit	18 events/yr					0.24
Equipment Cleaning-Coker Unit	3000 events/yr					0.92
Pipe Cleaning-Coker Unit	Twice/5 yrs					0.03
Strainer Cleaning-Coker Unit	416 events/yr					1.92
Compressor Maintenance-Coker Unit	Once/5 yrs					<0.01
Filter Replacement-Coker Unit	8 events/yr					0.02
Knock Out Drum Drainage-Coker Unit	Once/wk					0.03
Instrument Maintenance-Coker Unit	30 events/yr					0.03
Miscellaneous Equipment Preparation-Coker Unit	5 events/yr					0.54
Pipe Cleaning with Nitrogen-Coker Unit	Twice/5 yr					<0.01
Opening Offline Vessels-Coker Unit	6 events/yr					1.28
Pump Maintenance-Coker Unit	10 events/yr					0.03
Solids Removal from Sumps-Coker Unit	Twice/5 yrs					<0.01

**AIR PERMIT BRIEFING SHEET  
PERMITS DIVISION  
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**LOUISIANA REFINING DIVISION, GARYVILLE MAJOR EXPANSION  
AGENCY INTEREST NO. 3165  
MARATHON PETROLEUM COMPANY LLC  
GARYVILLE, ST. JOHN THE BAPTIST PARISH, LOUISIANA**

Activity	Frequency	Emissions				
		PM <sub>10</sub>	SO <sub>2</sub>	NO <sub>X</sub>	CO	VOC
Valve Maintenance-Coker Unit	10 events/yr					<0.01
Atmospheric Flash	Continuous					<0.01
Hydrogen Tail Gas Header Isolation Bleed Valve	5 events/yr					<0.01
Hydrogen Mix Tee Startup Steam Vent	3 events/yr					<0.01
Process Gas Boiler Intermittent Blowdown	One/day					<0.01
Hydrogen PSA Feed Analyzer	Continuous					<0.01
Hydrogen Product Analyzers	Continuous					<0.01
WWTP – Knockout Drum Drainage	One/wk					<0.01

**IX. INSIGNIFICANT ACTIVITIES**

ID No.:	Description	Citation
-	Empty Drum Washing (Chemical and Lube Oil)	LAC 33:III.501.B.5.A.7
-	Lube Oil Drums (55 gal)	LAC 33:III.501.B.5.A.2
-	Mobil Arctic Turbine Oil (10,000 gal)	LAC 33:III.501.B.5.A.2
-	Merox Vent Catalyst, UOP Liquid Catalyst (10 gal)	LAC 33:III.501.B.5.A.4
-	Chem Tank 108 (150 gal)	LAC 33:III.501.B.5.A.2
-	DREW GARD 189C Inhibitor/Dispersant Treatment Tank (4,000 gal)	LAC 33:III.501.B.5.A.3
-	DIOLTECH 424A Supplemental Dispersant/Antifoulant Tank (3,750 gal)	LAC 33:III.501.B.5.A.3
-	BIOSPERSE 254 Tank	LAC 33:III.501.B.5.A.3
-	DREWPLUS L 718 Antifoam Tank	LAC 33:III.501.B.5.A.3

**AIR PERMIT BRIEFING SHEET  
PERMITS DIVISION  
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**LOUISIANA REFINING DIVISION, GARYVILLE MAJOR EXPANSION  
AGENCY INTEREST NO. 3165  
MARATHON PETROLEUM COMPANY LLC  
GARYVILLE, ST. JOHN THE BAPTIST PARISH, LOUISIANA**

ID No.:	Description	Citation
-	DREWSPERSE 739 Leak Dispersant/Antifoulant Tank	LAC 33:III.501.B.5.A.3
-	PERFORMAX 406 Iron Contamination Dispersant Tank	LAC 33:III.501.B.5.A.3
-	Chem 500 Tank (200 gal)	LAC 33:III.501.B.5.A.2
-	Chem 108 Tank (3, 400 gal each)	LAC 33:III.501.B.5.A.3
-	MDEA Storage Tank	LAC 33:III.501.B.5.A.3
-	MDEA Sump	LAC 33:III.501.B.5.A.3
-	DREWCOR 2130 Neutralizing Amine Tank (500 gal)	LAC 33:III.501.B.5.A.3
-	Glycol Reservoir Tank (2,400 gal)	LAC 33:III.501.B.5.A.3
-	Chem 108 Tank (400 gal)	LAC 33:III.501.B.5.A.3
-	Filming Amine Mix Tank (MEA)	LAC 33:III.501.B.5.A.3
-	Perchloroethane, N2 Blanket Tank (1,000 gal)	LAC 33:III.501.B.5.A.3
-	AMERSITE 2 Oxygen Scavenger Tank (1,900 gal)	LAC 33:III.501.B.5.A.3
-	ADVANTAGE PLUS 1400 Tank (1,900 gal)	LAC 33:III.501.B.5.A.3
-	DREWCOR 2130 Neutralizing Amine with Mekor Tank (1,000 gal)	LAC 33:III.501.B.5.A.3
-	AMERCOR 1848 FDA Approved Neutralizing Film Tank (1,000 gal)	LAC 33:III.501.B.5.A.2
-	AMERCOR 8703 Filming Amine Tank (1,000 gal)	LAC 33:III.501.B.5.A.2
-	STEAMFILM FG Food Grade Filming Amine Tank (1,900 gal)	LAC 33:III.501.B.5.A.2
-	Four Ammonia Storage Tanks (Pressurized)	LAC 33:III.501.B.5.A.3
-	Used Oil Tanks	LAC 33:III.501.B.5.A.3
-	Caustic Tank (1,000 gal)	LAC 33:III.501.B.5.A.4
-	Sulfuric acid Tanks (5,900 and 5,000 gals)	LAC 33:III.501.B.5.A.4
-	DREW GARD 315 Inhibitor Drums (55 gal)	LAC 33:III.501.B.5.A.3
-	FC-600 Light Water Band ATC/AFFF Drums (55 gal)	LAC 33:III.501.B.5.A.3
-	Chem. 6000 (300 gal)	LAC 33:III.501.B.5.A.3

**AIR PERMIT BRIEFING SHEET**  
**PERMITS DIVISION**  
**LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**LOUISIANA REFINING DIVISION, GARYVILLE MAJOR EXPANSION**  
**AGENCY INTEREST NO. 3165**  
**MARATHON PETROLEUM COMPANY LLC**  
**GARYVILLE, ST. JOHN THE BAPTIST PARISH, LOUISIANA**

ID No.:	Description	Citation
-	Caustic Level Intermediate Makeup Tank	LAC 33:III.501.B.5.A.4
-	Recycle Caustic Tank (5,000 gal)	LAC 33:III.501.B.5.A.4
-	Spent Caustic Tanks (4)	LAC 33:III.501.B.5.A.4
-	25BE Caustic Tank (5,000 gal)	LAC 33:III.501.B.5.A.4
-	50% Caustic Tank (15,000 gal)	LAC 33:III.501.B.5.A.4
-	Acid Sump (Soda Ash is added to control pH)	LAC 33:III.501.B.5.A.4
-	Sulfite Mix Tank	LAC 33:III.501.B.5.A.4
-	Plant Mix Tank	LAC 33:III.501.B.5.A.4
-	10 Baume Caustic Tank	LAC 33:III.501.B.5.A.4
-	50 Baume Caustic Feed Tank (400 gal)	LAC 33:III.501.B.5.A.4
-	50 Baume Caustic Drum Tank (55 gal)	LAC 33:III.501.B.5.A.4
-	40% Lime Storage Tank (38,000 gal)	LAC 33:III.501.B.5.A.4
-	25% Lime Storage Tank (2,200 gal)	LAC 33:III.501.B.5.A.4
-	Monoethanolamine Tank (4,000 gal)	LAC 33:III.501.B.5.A.3
-	MDEA Sump	LAC 33:III.501.B.5.A.3
-	MEA Sump	LAC 33:III.501.B.5.A.3
-	Laboratory Equipment/Vents	LAC 33:III.501.B.5.A.6
-	Drum Washing Operations	LAC 33:III.501.B.5.A.7
-	Analyzer Vents	LAC 33:III.501.B.5.A.9
-	MDEA Storage Tank	LAC 33:III.501.B.5.A.3
-	Liquid Chlorine Tank (55 gal)	LAC 33:III.501.B.5.A.4
-	MEKOR 6701 Oxygen Scavenger/Inhibitor (50 gal)	LAC 33:III.501.B.5.A.3
-	DREWFLOC 2420 Polymer (55 gal)	LAC 33:III.501.B.5.A.3
-	DREWPLUS L 718 Antifoam (50 gal)	LAC 33:III.501.B.5.A.3
-	1115 LP Polymer Mix Day Tanks (2,300 gal)	LAC 33:III.501.B.5.A.3
-	Emulsifier/Degreaser Tank (300 gal)	LAC 33:III.501.B.5.A.3
-	93% Sulfuric Acid Tank (2,000 gal)	LAC 33:III.501.B.5.A.3

**AIR PERMIT BRIEFING SHEET  
PERMITS DIVISION  
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**LOUISIANA REFINING DIVISION, GARYVILLE MAJOR EXPANSION  
AGENCY INTEREST NO. 3165  
MARATHON PETROLEUM COMPANY LLC  
GARYVILLE, ST. JOHN THE BAPTIST PARISH, LOUISIANA**

ID No.:	Description	Citation
-	Cleaning Liquid Storage Tank (2)	LAC 33:III.501.B.5.A.3
-	Calcium Chloride Tank (5,000 gal)	LAC 33:III.501.B.5.A.4
-	HF Storage Vessel (Closed system)	LAC 33:III.501.B.5.A.4
-	HF Acid Sump	LAC 33:III.501.B.5.A.4
-	LPG and Other Chemical Spheres (Pressurized)	LAC 33:III.501.B.5.A.3
-	LAB: Calibration Vents and Analyzer Vents	LAC 33:III.501.B.5.A.9
-	Sample Boil Away	LAC 33:III.501.B.5.A.6
-	Fire Water Pump Diesel Tank (300 gal)	LAC 33:III.501.B.5.A.3
-	Gas Fired Heater to Dry Refractory (<1 MM BTU/hr)	LAC 33:III.501.B.5.A.5
-	Emergency Generator Diesel Tanks (2, 6,000 gal)	LAC 33:III.501.B.5.A.3
-	UST Diesel (6,000 gal)	LAC 33:III.501.B.5.A.3
-	Diesel Storage Tank (612 gal)	LAC 33:III.501.B.5.A.3
-	Coker Quench Water Tank	LAC 33:III.501.B.5.A.3

## STATE ONLY SPECIFIC CONDITIONS

**LOUISIANA REFINING DIVISION, GARYVILLE MAJOR EXPANSION  
AGENCY INTEREST NO. 3165  
MARATHON PETROLEUM COMPANY LLC  
GARYVILLE, ST. JOHN THE BAPTIST PARISH, LOUISIANA**

The permit is issued under the following conditions:

1. Permittee shall comply with a streamlined equipment leaks monitoring program. Compliance with the streamlined program in accordance with this specific condition shall serve to comply with each of the fugitive emission monitoring programs being streamlined, as indicated in the following table. Noncompliance with the streamlined program in accordance with this specific condition may subject the permittee to enforcement action for one of the applicable fugitive emissions programs.
  - a. Streamlined program shall be applicable to the combined universe of components subject to any of the programs being streamlined. Any component type which does not require periodic monitoring under the overall most stringent program shall be monitored as required by the most stringent requirements of any other program being streamlined and will not be exempted. The streamlined program will include any exemptions based on size or component available in any of the programs being streamlined.
  - b. Leak definitions and monitoring frequency shall be used based on the overall most stringent program. Percent leaker performance shall be calculated using the provisions of the overall most stringent program. Annual monitoring shall define as once every four quarters. Some allowance may be made in the first year on the streamlined program in order to allow for transition from existing monitoring schedules.
  - c. Permittee shall comply with recordkeeping and reporting requirements of the overall most stringent program. Semiannual reports shall be submitted on August 15 and February 15, to cover the periods from January 1 through June 30, and July 1 through December 31, respectively. The semiannual reports shall include any monitoring performed within the reporting period.

<u>Unit or Plant Site</u>	<u>Programs Streamlined</u>	<u>Stream Applicability</u>	<u>Overall Most Stringent Program</u>
GME Coker Unit and Fugitives Units 205, 205A	NSPS Subpart GGG LAC 33:III.2121 LAC 33:III.Chapter 51 NESHAP Subpart CC	10% VOC 10% VOC 5% VOTAP 5% VOHAP	LA Refinery MACT
GME Crude Vacuum Unit Fugitives Unit 210	NSPS Subpart GGG LAC 33:III.2121 LAC 33:III.Chapter 51 NESHAP Subpart CC	10% VOC 10% VOC 5% VOTAP 5% VOHAP	LA Refinery MACT

**STATE ONLY SPECIFIC CONDITIONS**

**LOUISIANA REFINING DIVISION, GARYVILLE MAJOR EXPANSION  
AGENCY INTEREST NO. 3165  
MARATHON PETROLEUM COMPANY LLC  
GARYVILLE, ST. JOHN THE BAPTIST PARISH, LOUISIANA**

<u>Unit or Plant Site</u>	<u>Programs Streamlined</u>	<u>Stream Applicability</u>	<u>Overall Most Stringent Program</u>
GME Naphtha Hydrotreater Fugitives Unit 211	NSPS Subpart GGG LAC 33:III.2121 LAC 33:III.Chapter 51 NESHAP Subpart CC	10% VOC 10% VOC 5% VOTAP 5% VOHAP	LA Refinery MACT
GME Platforming Unit Fugitives Unit 212	NSPS Subpart GGG LAC 33:III.2121 LAC 33:III.Chapter 51 NESHAP Subpart CC	10% VOC 10% VOC 5% VOTAP 5% VOHAP	LA Refinery MACT
GME Platforming Unit (Perchloroethylene) Fugitives Unit 212A	NSPS Subpart GGG LAC 33:III.2121 LAC 33:III.Chapter 51 NESHAP Subpart CC	10% VOC 10% VOC 5% VOTAP 5% VOHAP	LA Refinery MACT
GME Kerosene Hydrotreater Fugitives Unit 214	NSPS Subpart GGG LAC 33:III.2121	10% VOC 10% VOC	NSPS Subpart GGG
GME Hydrocracker Fugitives Unit 215	NSPS Subpart GGG LAC 33:III.2121 LAC 33:III.Chapter 51 NESHAP Subpart CC	10% VOC 10% VOC 5% VOTAP 5% VOHAP	LA Refinery MACT
GME Sulfur Plant No. 1 Fugitives Unit 220	LAC 33:III.Chapter 51	5% VOTAP	LAC 33:III.Chapter 51
GME Tail Gas Amine Regeneration for SRU No. 1 Fugitives Unit 221	NSPS Subpart GGG LAC 33:III.Chapter 51	10% VOC 5% VOTAP	NSPS Subpart GGG
GME Saturates Gas Plant Fugitives Unit 222	NSPS Subpart GGG LAC 33:III.2121 LAC 33:III.Chapter 51 NESHAP Subpart CC	10% VOC 10% VOC 5% VOTAP 5% VOHAP	LA Refinery MACT
GME Sat Propane Merox Unit Fugitives Unit 222A	NSPS Subpart GGG LAC 33:III.2121	10% VOC 10% VOC	NSPS Subpart GGG
GME Sat Butane Merox Unit Fugitives Unit 222B	NSPS Subpart GGG LAC 33:III.2121	10% VOC 10% VOC	NSPS Subpart GGG

**STATE ONLY SPECIFIC CONDITIONS**

**LOUISIANA REFINING DIVISION, GARYVILLE MAJOR EXPANSION  
AGENCY INTEREST NO. 3165  
MARATHON PETROLEUM COMPANY LLC  
GARYVILLE, ST. JOHN THE BAPTIST PARISH, LOUISIANA**

<u>Unit or Plant Site</u>	<u>Programs Streamlined</u>	<u>Stream Applicability</u>	<u>Overall Most Stringent Program</u>
GME Tail Gas Amine Regeneration for SRU No. 2 Fugitives Unit 232	NSPS Subpart GGG LAC 33:III.2121	10% VOC 10% VOC	NSPS Subpart GGG
New Sour Water Stripper Unit Fugitives – Coker Unit 233	NSPS Subpart GGG LAC 33:III.2121	10% VOC 10% VOC	NSPS Subpart GGG
GME Sulfur Recovery Plant No. 2 Fugitives Unit 234	LAC 33:III.Chapter 51	5% VOTAP	LAC 33:III.Chapter 51
GME Intermediate Product Fugitives Unit 241	NSPS Subpart GGG LAC 33:III.2121 LAC 33:III.Chapter 51 NESHAP Subpart CC	10% VOC 10% VOC 5% VOTAP 5% VOHAP	LA Refinery MACT
GME Fuel Gas System Fugitives Unit 243	NSPS Subpart GGG LAC 33:III.2121	10% VOC 10% VOC	NSPS Subpart GGG
New Amine Regenerator Unit Fugitives Unit 247	NSPS Subpart GGG LAC 33:III.2121	10% VOC 10% VOC	NSPS Subpart GGG
GME Marine Dock No. 4 Fugitives Unit 250	NSPS Subpart GGG LAC 33:III.2121 LAC 33:III.Chapter 51 NESHAP Subpart CC	10% VOC 10% VOC 5% VOTAP 5% VOHAP	LA Refinery MACT
GME Marine Vapor Combustor Fugitives Unit 250A	NSPS Subpart GGG LAC 33:III.2121 LAC 33:III.Chapter 51 NESHAP Subpart CC	10% VOC 10% VOC 5% VOTAP 5% VOHAP	LA Refinery MACT
GME Flare Knock Out Drum Fugitives Unit 259	NSPS Subpart GGG LAC 33:III.2121 LAC 33:III.Chapter 51 NESHAP Subpart CC	10% VOC 10% VOC 5% VOTAP 5% VOHAP	LA Refinery MACT
GME WWTP Fugitives Unit 260	NSPS Subpart GGG LAC 33:III.2121	10% VOC 10% VOC	NSPS Subpart GGG
GME Intercom Pipeway Fugitives Unit 263	NSPS Subpart GGG LAC 33:III.2121 LAC 33:III.Chapter 51 NESHAP Subpart CC	10% VOC 10% VOC 5% VOTAP 5% VOHAP	LA Refinery MACT

**STATE ONLY SPECIFIC CONDITIONS**

**LOUISIANA REFINING DIVISION, GARYVILLE MAJOR EXPANSION  
AGENCY INTEREST NO. 3165  
MARATHON PETROLEUM COMPANY LLC  
GARYVILLE, ST. JOHN THE BAPTIST PARISH, LOUISIANA**

<u>Unit or Plant Site</u>	<u>Programs Streamlined</u>	<u>Stream Applicability</u>	<u>Overall Most Stringent Program</u>
GME Truck Loading Rack Fugitives Unit 265	LAC 33:III.2121	10% VOC	LAC 33:III.2121
GME Blending Facilities Fugitives Unit 267	NSPS Subpart GGG LAC 33:III.2121 LAC 33:III.Chapter 51 NESHAP Subpart CC	10% VOC 10% VOC 5% VOTAP 5% VOHAP	LA Refinery MACT
GME Marine Dock No. 3 Fugitives Unit 271	NSPS Subpart GGG LAC 33:III.2121 LAC 33:III.Chapter 51 NESHAP Subpart CC	10% VOC 10% VOC 5% VOTAP 5% VOHAP	LA Refinery MACT

**LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**LOUISIANA REFINING DIVISION, GARYVILLE MAJOR EXPANSION  
AGENCY INTEREST NO. 3165**

**MARATHON PETROLEUM COMPANY LLC  
GARYVILLE, ST. JOHN THE BAPTIST PARISH, LOUISIANA**

**X. Applicable Louisiana and Federal Air Quality Requirements**

ID No.:	Description	LAC 33:III Chapter																
		5	9	11	13	15	2103	2104	2107	2111	2115	2121	22	2301	29	51	52	56
GRP031	GME Facility	1	1	1	1	1							1		1	1	1	1
EQT185	1-08, GME A Crude Heater		1	1	1	1												2
EQT186	2-08, GME B Crude Heater		1	1	1	1												2
EQT187	3-08, GME A Vacuum Tower Heater		1	1	1	1												2
EQT188	4-08, GME B Vacuum Tower Heater		1	1	1	1												2
EQT189	5-08, GME Naphtha Hydrotreater Reactor Charge Heater		1	1	1	1												2
EQT190	6-08, Naphtha Hydrotreater Stripper Reboiler Heater		1	1	1	1												2
EQT191	7A-08, GME Platformer Cell Heater No. 1		1	1	1	1												2
EQT192	7B-08, GME Platformer Cell Heater No. 2		1	1	1	1												2
EQT193	7C-08, GME Platformer Heater Cell No. 3		1	1	1	1												2
EQT195	9-08, GME KHT Reactor Charge Heater		1	1	1	1												2
EQT196	10-08, GME KHT Stripper Reboiler Heater		1	1	1	1												2
EQT197	11-08, GME HCU Train 1 Reactor Charge Heater		1	1	1	1												2
EQT198	12-08, GME HCU Train 2 Reactor Charge Heater		1	1	1	1												2
EQT199	13-08, GME HCU Fractionator Heater		1	1	1	1												2

**LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**LOUISIANA REFINING DIVISION, GARYVILLE MAJOR EXPANSION  
AGENCY INTEREST NO. 3165**  
**MARATHON PETROLEUM COMPANY LLC**  
**GARYVILLE, ST. JOHN THE BAPTIST PARISH, LOUISIANA**

**X. Applicable Louisiana and Federal Air Quality Requirements**

ID No.:	Description	LAC 33:III Chapter																
		5	9	11	13	15	2103	2104	2107	2111	2115	2121	22	2301	29	51	52	56
EQT200	14-08, GME Sats Gas Plant Hot Oil Heater			1	1	1							2					1
EQT201	15-08, GME Coker Charge Heater			1	1	1							2					1
EQT202	16-08, GME Boiler No. 1			1	1	1												2
EQT204	18-08, GME Thermal Oxidizer No. 1			1	1	1												1
EQT205	19-08, GME Thermal Oxidizer No. 2			1	1	1												1
EQT206	20-08, GME Flare			1	1	1												1
EQT207	20-08 SU/SD, GME Flare			1	1	1												1
EQT208	21-08, GME Emergency Generator (Dock)			1	1	1												1
EQT209	22-08, GME Emergency Generator (Tank Farm)			1	1	1												1
EQT210	23-08, GME Platiformer Regenerator Vent																	
EQT211	24-08, GME Cooling Tower No. 1																	
EQT212	31-08, GME Coke Stockpile																	
EQT213	32-08, GME Cooling Tower No. 2																	
EQT214	33A-08, GME A Coker Drum Vent																	
EQT215	33B-08, GME B Coker Drum Vent																	
EQT216	48-08, GME Hydrogen Reformer Furnace Flue Gas Vent																	2
EQT217	49-08, GME Hydrogen Plant Steam Vent																	1

**LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**LOUISIANA REFINING DIVISION, GARYVILLE MAJOR EXPANSION  
AGENCY INTEREST NO. 3165  
MARATHON PETROLEUM COMPANY LLC  
GARYVILLE, ST. JOHN THE BAPTIST PARISH, LOUISIANA**

**X. Applicable Louisiana and Federal Air Quality Requirements**

ID No.:	Description	LAC 33.III Chapter																	
		5	9	11	13	15	2103	2104	2107	2111	2115	2121	22	2301	29	51	52	56	59
EQT218	50-08, GME Hydrogen Plant Deaerator Vent												2					1	
EQT219	52-08, GME Hydrogen Plant Flare		1	1															
EQT220	53-08, GME Hydrogen Plant Cooling Tower																		
EQT221	54-08, GME Hydrogen Plant Hydrogen Vent												2						
FUG052	51-08, GME Hydrogen Plant Fugitives													1					1
FUG053	Unit 205 Fug., GME Delayed Coker Unit Fugitives												1	1					1
FUG054	Unit 205A Fug., GME Coker Gas Plant Fugitives												1	1					1
FUG055	Unit 210 Fug., GME Crude/Vacuum Distillation Unit Fugitives												1	1					1
FUG056	Unit 211 Fug., GME Naphtha Hydrotreater Unit Fugitives												1	1					1
FUG057	Unit 212 Fug., GME CCR Platformer Unit Fugitives												1	1					1
FUG058	Unit 212A Fug., GME Platformer Unit (Perchloroethylene) Fugitives												1	1					1
FUG059	Unit 214 Fug., GME Kerosene Hydrotreater Unit Fugitives												1	1					1
FUG060	Unit 215 Fug., GME Hydrocracker Fugitives												1	1					1

**LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**LOUISIANA REFINING DIVISION, GARYVILLE MAJOR EXPANSION  
AGENCY INTEREST NO. 3165**

**MARATHON PETROLEUM COMPANY LLC  
GARYVILLE, ST. JOHN THE BAPTIST PARISH, LOUISIANA**

**X. Applicable Louisiana and Federal Air Quality Requirements**

ID No.:	Description	LAC 33:III, Chapter																	
		5	9	11	13	15	2103	2104	2107	2111	2115	2121	22	2301	29	51	52	56	59
FUG061	Unit 220 Fug., GME Sulfur Recovery Plant No. 1 Fugitives																		
FUG062	Unit 221 Fug., GME Tail Gas Amine Regeneration for SRU No. 1 Fugitives																		
FUG063	Unit 222 Fug., GME Saturates Gas Plant Fugitives																		
FUG064	Unit 222A Fug., GME Sat Propane Merox Unit Fugitives																		
FUG065	Unit 222B Fug., GME Sat Butane Merox Unit Fugitives																		
FUG066	Unit 232 Fug., GME Tail Gas Amine Regeneration for SRU No. 2 Fugitives																		
FUG067	Unit 233 Fug., GME Sour Water Stripper Unit Fugitives																		
FUG068	Unit 234 Fug., GME Sulfur Recovery Plant No. 2 Fugitives																		
FUG069	Unit 241 Fug., GME Intermediate Product Unit Fugitives																		
FUG070	Unit 243 Fug., GME Fuel Gas Treater Unit Fugitives																		
FUG071	Unit 247 Fug., GME Amine Regeneration Unit Fugitives																		

**LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**LOUISIANA REFINING DIVISION, GARYVILLE MAJOR EXPANSION  
AGENCY INTEREST NO. 3165  
MARATHON PETROLEUM COMPANY LLC  
GARYVILLE, ST. JOHN THE BAPTIST PARISH, LOUISIANA**

**X. Applicable Louisiana and Federal Air Quality Requirements**

ID No.:	Description	LAC 33:III Chapter																	
		5	9	11	13	15	2103	2104	2107	2111	2115	2121	22	2301	29	51	52	56	59
FUG072	GME Marine Loading Dock No. 4 Unit Fugitives																		
FUG073	Unit 250A Fug., GME Marine Vapor Combustor Fugitives																		
FUG074	Unit 259 Fug., GME Flare System Fugitives																		
FUG075	Unit 260 Fug., GME Wastewater Treatment Plant Train No. 5 Fugitives																		
FUG076	Unit 263 Fug., GME Interconnecting Pipeway Fugitives																		
FUG077	Unit 265 Fug., GME Truck Rack Fugitives																		
FUG078	Unit 267 Fug., GME Blending Facilities Fugitives																		
FUG079	Unit 271 Fug., GME Barge Dock No. 3 Unit Fugitives																		

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

LOUISIANA REFINING DIVISION, GARYVILLE MAJOR EXPANSION

AGENCY INTEREST NO. 3165

MARATHON PETROLEUM COMPANY LLC

GARYVILLE, ST. JOHN THE BAPTIST PARISH, LOUISIANA

X. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	LAC 33.III.Chapter																	
		5	9	11	13	15	2103	2104	2107	2111	2115	2121	22	2301	29	51	52	56	59
<b>KEY TO MATRIX</b>																			
1	- The regulations have applicable requirements which apply to this particular emission source.																		
	- The emission source may have an exemption from control stated in the regulation. The emission source may not have to be controlled but may have monitoring, recordkeeping, or reporting requirements.																		
2	- The regulations have applicable requirements which apply to this particular emission source but the source is currently exempt from these requirements due to meeting a specific criteria, such as it has not been constructed, modified or reconstructed since the regulations have been in place. If the specific criteria changes the source will have to comply at a future date.																		
3	- The regulations apply to this general type of emission source (i.e. vents, furnaces, and fugitives) but do not apply to this particular emission source.																		
	Blank – The regulations clearly do not apply to this type of emission source.																		

**LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**LOUISIANA REFINING DIVISION, GARYVILLE MAJOR EXPANSION  
AGENCY INTEREST NO. 3165  
MARATHON PETROLEUM COMPANY LLC  
GARYVILLE, ST. JOHN THE BAPTIST PARISH, LOUISIANA**

**X. Applicable Louisiana and Federal Air Quality Requirements**

ID No.:	Description	40 CFR 60 NSPS			40 CFR 61			40 CFR 63 NESHAP			40 CFR										
		A	Db	G/GG	QQQ	J	A	M	V	FF	A	F	G	CC	Q	3U	5D	52	64	68	82
GRP031	GME Facility	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
EQT185	1-08, GME A Crude Heater					1															
EQT186	2-08, GME B Crude Heater					1															
EQT187	3-08, GME A Vacuum Tower Heater					1															
EQT188	4-08, GME B Vacuum Tower Heater					1															
EQT189	5-08, GME Naphtha Hydrotreater Reactor Charge Heater					1															
EQT190	6-08, Naphtha Hydrotreater Stripper Reboiler Heater					1															
EQT191	7A-08, GME Platformer Cell Heater No. 1					1															
EQT192	7B-08, GME Platformer Cell Heater No. 2					1															
EQT193	7C-08, GME Platformer Heater Cell No. 3					1															
EQT195	9-08, GME KHT Reactor Charge Heater					1															
EQT196	10-08, GME KHT Stripper Reboiler Heater					1															
EQT197	11-08, GME HCU Train 1 Reactor Charge Heater					1															
EQT198	12-08, GME HCU Train 2 Reactor Charge Heater					1															
EQT199	13-08, GME HCU Fractionator Heater					1															
EQT200	14-08, GME Sats Gas Plant Hot Oil Heater					1															
EQT201	15-08, GME Coker Charge Heater					1															
EQT202	16-08, GME Boiler No. 1					1															

**LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**LOUISIANA REFINING DIVISION, GARYVILLE MAJOR EXPANSION  
AGENCY INTEREST NO. 3165**

**MARATHON PETROLEUM COMPANY LLC  
GARYVILLE, ST. JOHN THE BAPTIST PARISH, LOUISIANA**

**X. Applicable Louisiana and Federal Air Quality Requirements**

ID No.:	Description	40 CFR 60 NSPS						40 CFR 61						40 CFR 63 NESHAP						40 CFR							
		A	Db	G	GGG	QQQ	J	A	M	V	FF	A	F	G	CC	Q	3U	5D	52	64	68	82					
EQT204	18-08, GME Thermal Oxidizer No. 1						1																				
EQT205	19-08, GME Thermal Oxidizer No. 2							1																			1
EQT206	20-08, GME Flare							1																			
EQT207	20-08 SU/SD, GME Flare							1																			
EQT208	21-08, GME Emergency Generator (Dock)							1																			
EQT209	22-08, GME Emergency Generator (Tank Farm)																										
EQT210	23-08, GME Platformer Regenerator Vent																										1
EQT211	24-08, GME Cooling Tower No. 1																										
EQT212	31-08, GME Coke Stockpile																										
EQT213	32-08, GME Cooling Tower No. 2																										
EQT214	33A-08, GME A Coker Drum Vent																										
EQT215	33B-08, GME B Coker Drum Vent																										
EQT216	48-08, GME Hydrogen Reformer Furnace Flue Gas Vent																										
EQT217	49-08, GME Hydrogen Plant Steam Vent																										
EQT218	50-08, GME Hydrogen Plant Deaerator Vent																										
EQT219	52-08, GME Hydrogen Plant Flare																										1
EQT220	53-08, GME Hydrogen Plant Cooling Tower																										
EQT221	54-08, GME Hydrogen Plant Hydrogen Vent																										
FUG052	51-08, GME Hydrogen Plant Fugitives																										

**LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**LOUISIANA REFINING DIVISION, GARYVILLE MAJOR EXPANSION  
AGENCY INTEREST NO. 3165  
MARATHON PETROLEUM COMPANY LLC  
GARYVILLE, ST. JOHN THE BAPTIST PARISH, LOUISIANA**

**X. Applicable Louisiana and Federal Air Quality Requirements**

ID No.:	Description	40 CFR 60 NSPS						40 CFR 61						40 CFR 63 NESHAP						40 CFR						
		A	Db	GGG	QQQ	J	A	M	V	FF	A	F	G	CC	Q	3U	5D	52	64	68	82					
FUG053	Unit 205 Fug., GME Delayed Coker Unit Fugitives																									
FUG054	Unit 205A Fug., GME Coker Gas Plant Fugitives																									
FUG055	Unit 210 Fug., GME Crude/Vacuum Distillation Unit Fugitives																									
FUG056	Unit 211 Fug., GME Naphtha Hydrotreater Unit Fugitives																									
FUG057	Unit 212 Fug., GME CCR Platformer Unit Fugitives																									
FUG058	Unit 212A Fug., GME Platformer Unit (Perchloroethylene) Fugitives																									
FUG059	Unit 214 Fug., GME Kerosene Hydrotreater Unit Fugitives																									
FUG060	Unit 215 Fug., GME Hydrocracker Fugitives																									
FUG061	Unit 220 Fug., GME Sulfur Recovery Plant No. 1 Fugitives																									
FUG062	Unit 221 Fug., GME Tail Gas Amine Regeneration for SRU No. 1 Fugitives																									
FUG063	Unit 222 Fug., GME Saturates Gas Plant Fugitives																									
FUG064	Unit 222A Fug., GME Sat Propane Merox Unit Fugitives																									
FUG065	Unit 222B Fug., GME Sat Butane Merox Unit Fugitives																									

**LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**LOUISIANA REFINING DIVISION, GARYVILLE MAJOR EXPANSION  
AGENCY INTEREST NO. 3165**  
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**GARYVILLE, ST. JOHN THE BAPTIST PARISH, LOUISIANA**

**X. Applicable Louisiana and Federal Air Quality Requirements**

ID No.:	Description	40 CFR 60 NSPS						40 CFR 61						40 CFR 63 NESHAP						40 CFR						
		A	Db	GGG	QQQ	J	A	M	V	FF	A	F	G	CC	Q	3U	SD	52	64	68	82					
FUG066	Unit 232 Fug., GME Tail Gas Amine Regeneration for SRU No. 2 Fugitives				1																					
FUG067	Unit 233 Fug., GME Sour Water Stripper Unit Fugitives																									
FUG068	Unit 234 Fug., GME Sulfur Recovery Plant No. 2 Fugitives																									
FUG069	Unit 241 Fug., GME Intermediate Product Unit Fugitives																									
FUG070	Unit 243 Fug., GME Fuel Gas Treater Unit Fugitives																									
FUG071	Unit 247 Fug., GME Amine Regeneration Unit Fugitives																									
FUG072	GME Marine Loading Dock No. 4 Unit Fugitives																									
FUG073	Unit 250A Fug., GME Marine Vapor Combustor Fugitives																									
FUG074	Unit 259 Fug., GME Flare System Fugitives																									
FUG075	Unit 260 Fug., GME Wastewater Treatment Plant Train No. 5 Fugitives																									
FUG076	Unit 263 Fug., GME Interconnecting Pipeway Fugitives																									
FUG077	Unit 265 Fug., GME Truck Rack Fugitives																									
FUG078	Unit 267 Fug., GME Blending Facilities Fugitives																									

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**LOUISIANA REFINING DIVISION, GARYVILLE MAJOR EXPANSION  
AGENCY INTEREST NO. 3165  
MARATHON PETROLEUM COMPANY LLC  
GARYVILLE, ST. JOHN THE BAPTIST PARISH, LOUISIANA**

**X. Applicable Louisiana and Federal Air Quality Requirements**

ID No.:	Description	40 CFR 60 NSPS										40 CFR 61										40 CFR									
		A	Db	GGG	QQQ	J	A	M	V	FF	A	F	G	CC	Q	3U	SD	52	64	68	82										
FUG079	Unit 271 Fug., GME Barge Dock No. 3 Unit																														
	Fugitives						1									1															

**KEY TO MATRIX**

- 1 - The regulations have applicable requirements which apply to this particular emission source.  
- The emission source may have an exemption from control stated in the regulation. The emission source may not have to be controlled but may have monitoring, recordkeeping, or reporting requirements.
- 2 - The regulations have applicable requirements which apply to this particular emission source but the source is currently exempt from these requirements due to meeting a specific criteria, such as it has not been constructed, modified or reconstructed since the regulations have been in place. If the specific criteria changes the source will have to comply at a future date.
- 3 - The regulations apply to this general type of emission source (i.e. vents, furnaces, and fugitives) but do not apply to this particular emission source.  
Blank – The regulations clearly do not apply to this type of emission source.

**LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**LOUISIANA REFINING DIVISION, GARYVILLE MAJOR EXPANSION  
AGENCY INTEREST NO. 3165  
MARATHON PETROLEUM COMPANY LLC  
GARYVILLE, ST. JOHN THE BAPTIST PARISH, LOUISIANA**

**XI. Explanation for Exemption Status or Non-Applicability of a Source**

ID No:	Requirement	Status	Citation	Explanation
EQT185-199, 202, 203, and 216	Comprehensive Toxic Air Pollutant Emission Control Program LAC 33:III.Chapter 51 – State Only	Exempt	LAC 33:III.5105.B.3	Fuel – Mixture of natural gas and refinery fuel gas
EQT211, 213, 220, and 222, GME Cooling Towers No. 1, 2 and 3 and HP Cooling Tower	Cooling Water Tower Fugitives	Exempt	40 CFR 63.400	Does not use chromium containing corrosion inhibitors
EQT200, 201 GME Sats Gas Plant Hot Oil Heater	Control of Organic Compounds – Waste Gas Disposal	Exempt	LAC 33:III.2115.H.2.a	The stream will not support combustion without economically impractical amounts of auxiliary fuel
EQT214, 215, 217, 218, 221 GME Hydrogen Plant Steam Vent and Deaerator Vent	Control of Organic Compounds – Waste Gas Disposal	Exempt	LAC 33:III.2115.H.1.c	VOC less than 100 lbs per 24-hour period

The above table provides explanation for both the exemption status or non-applicability of a source cited by 2 or 3 in the matrix presented in Section X of this permit

## 40 CFR PART 70 GENERAL CONDITIONS

- A. The term of this permit shall be five (5) years from date of issuance. An application for a renewal of this 40 CFR Part 70 permit shall be submitted to the administrative authority no later than six months prior to the permit expiration date. Should a complete permit application not be submitted six months prior to the permit expiration date, a facility's right to operate is terminated pursuant to 40 CFR Section 70.7(c)(ii). Operation may continue under the conditions of this permit during the period of the review of the application for renewal. [LAC 33:III.507.E.1, E.3, E.4, reference 40 CFR 70.6(a)(2)]
- B. The conditions of this permit are severable; and if any provision of this permit or the application of any provision of this permit to any circumstance is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby. [Reference 40 CFR 70.6(a)(5)]
- C. Permittee shall comply with all conditions of the 40 CFR Part 70 permit. Any permit noncompliance constitutes a violation of the Clean Air Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application. This permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition. [LAC 33:III.507.B.2, reference 40 CFR 70.6(a)(6)(i) & (iii)]
- D. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. [Reference 40 CFR 70.6(a)(6)(ii)]
- E. This permit does not convey any property rights of any sort, or an exclusive privilege. [Reference 40 CFR 70.6(a)(6)(iv)]
- F. The permittee shall furnish to the permitting authority, within a reasonable time, any information that the permitting authority may request in writing to determine whether cause exists for modifying, revoking, and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the permitting authority copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee may furnish such records directly to the Administrator along with a claim of confidentiality. A claim of confidentiality does not relieve the permittee of the requirement to provide the information. [LAC 33:III.507.B.2, 517.F, reference 40 CFR 70.6(a)(6)(v)]
- G. Permittee shall pay fees in accordance with LAC 33:III.Chapter 2 and 40 CFR Section 70.6(a)(7). [LAC 33:III.501.C.2, reference 40 CFR 70.6(a)(7)]
- H. Upon presentation of credentials and other documents as may be required by law, the permittee shall allow the permitting authority or authorized representative to perform the following:
  1. enter upon the permittee's premises where a 40 CFR Part 70 source is located or emission-related activity is conducted, or where records must be kept under the conditions of the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(i)];
  2. have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(ii)];
  3. inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(iii)]; and

## 40 CFR PART 70 GENERAL CONDITIONS

4. as authorized by the Clean Air Act, sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements. [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(iv)]
- I. All required monitoring data and supporting information shall be kept available for inspection at the facility or alternate location approved by the agency for a period of at least five (5) years from the date of the monitoring sample, measurement, report, or application. Supporting information includes calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and all reports required by the permit.  
[Reference 40 CFR 70.6(a)(3)(ii)(B)]
- J. Records of required monitoring shall include the following:
  1. the date, place as defined in the permit, and time of sampling or measurements;
  2. the date(s) analyses were performed;
  3. the company or entity that performed the analyses;
  4. the analytical techniques or methods used;
  5. the results of such analyses; and
  6. the operating conditions as existing at the time of sampling or measurement.  
[Reference 40 CFR 70.6(a)(3)(ii)(A)]
- K. Permittee shall submit at least semiannually, reports of any required monitoring, clearly identifying all instances of deviations from permitted monitoring requirements, certified by a responsible company official. For previously reported deviations, in lieu of attaching the individual deviation reports, the semiannual report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The semiannual reports shall be submitted to the Office of Environmental Compliance, Surveillance Division by March 31 for the preceding period encompassing July through December and September 30 for the preceding period encompassing January through June. Any quarterly deviation report required to be submitted by March 31 or September 30 in accordance with Part 70 General Condition R may be consolidated with the semi-annual reports required by this general condition as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. [LAC 33:III.507.H, reference 40 CFR 70.6(a)(3)(iii)(A)]
- L. The permittee shall submit at least semiannual reports on the status of compliance pursuant to 40 CFR Section 70.5 (c) (8) and a progress report on any applicable schedule of compliance pursuant to 40 CFR Section 70.6 (c) (4). [LAC 33:III.507.H.1, reference 40 CFR 70.6(c)(4)]
- M. Compliance certifications per LAC 33:III.507.H.5 shall be submitted to the Administrator as well as the permitting authority. For previously reported compliance deviations, in lieu of attaching the individual deviation reports, the annual report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The compliance certifications shall be submitted to the Office of Environmental Compliance, Surveillance Division by March 31 for the preceding calendar year. [LAC 33:III.507.H.5, reference 40 CFR 70.6(c)(5)(iv)]
- N. If the permittee seeks to reserve a claim of an affirmative defense as provided in LAC 33:III.507.J.2, the permittee shall, in addition to any emergency or upset provisions in any applicable regulation, notify the permitting authority within 2 working days of the time when emission limitations were exceeded due to the occurrence of an upset. In the event of an upset, as defined under LAC 33:III.507.J, which results in excess emissions, the permittee shall demonstrate through properly signed, contemporaneous operating logs, or other relevant evidence that: 1) an

## **40 CFR PART 70 GENERAL CONDITIONS**

emergency occurred and the cause was identified; 2) the permitted facility was being operated properly at the time; and 3) during the emergency the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standard or requirement of the permit. [LAC 33:III.507.J.2, reference 40 CFR 70.6(g)(3)(iv) & (i-iii)]

- O. Permittee shall maintain emissions at a level less than or equal to that provided for under the allowances that the 40 CFR Part 70 source lawfully holds under Title IV of the Clean Air Act or the regulations promulgated thereunder. No permit revision shall be required for increases in emissions that are authorized by allowances acquired pursuant to the acid rain program, provided that such increases do not require a permit revision under any other applicable requirement. No limit shall be placed on the number of allowances held by the source. The source may not, however, use allowances as a defense to noncompliance with any other applicable requirement. Any such allowance shall be accounted for according to the procedures established in regulations promulgated under Title IV of the Clean Air Act. [Reference 40 CFR 70.6(a)(4)]
- P. Any permit issued pursuant to 40 CFR Part 70 may be subject to reopening prior to the expiration of the permit for any of the conditions specified in 40 CFR Section 70.7(f) or LAC 33:III.529. [LAC 33:III.529.A-B, reference 40 CFR 70.7(f)]
- Q. Permittee may request an administrative amendment to the permit to incorporate test results from compliance testing if the following criteria are met:
  - 1. the changes are a result of tests performed upon start-up of newly constructed, installed, or modified equipment or operations;
  - 2. increases in permitted emissions will not exceed five tons per year for any regulated pollutant;
  - 3. increases in permitted emissions of Louisiana toxic air pollutants or of federal hazardous air pollutants would not constitute a modification under LAC 33:III. Chapter 51 or under Section 112 (g) of the Clean Air Act;
  - 4. changes in emissions would not require new source review for prevention of significant deterioration or nonattainment and would not trigger the applicability of any federally applicable requirement;
  - 5. changes in emissions would not qualify as a significant modification; and
  - 6. the request is submitted no later than 12 months after commencing operation. [LAC 33:III.523.A, reference 40 CFR 70.7(d)]
- R. Permittee shall submit prompt reports of all permit deviations as specified below to the Office of Environmental Compliance, Surveillance Division. All such reports shall be certified by a responsible official in accordance with 40 CFR 70.5(d).
  - 1. A written report shall be submitted within 7 days of any emission in excess of permit requirements by an amount greater than the Reportable Quantity established for that pollutant in LAC 33.I.Chapter 39.
  - 2. A written report shall be submitted within 7 days of the initial occurrence of any emission in excess of permit requirements, regardless of the amount, where such emission occurs over a period of seven days or longer.
  - 3. A written report shall be submitted quarterly to address all permit deviations not included in paragraphs 1 or 2 above. Unless required by an applicable reporting requirement, a

## 40 CFR PART 70 GENERAL CONDITIONS

written report is not required during periods in which there is no deviation. The quarterly deviation reports submitted on March 31 and September 30 may be consolidated with the semi-annual reports required by Part 70 General Condition K as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. For previously reported permit deviations, in lieu of attaching the individual deviation reports, the quarterly report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The schedule for submittal of quarterly reports shall be no later than the dates specified below for any permit deviations occurring during the corresponding specified calendar quarter:

- a. Report by June 30 to cover January through March
  - b. Report by September 30 to cover April through June
  - c. Report by December 31 to cover July through September
  - d. Report by March 31 to cover October through December
4. Any written report submitted in advance of the timeframes specified above, in accordance with an applicable regulation, may serve to meet the reporting requirements of this condition provided such reports are certified in accordance with 40 CFR 70.5(d) and contain all information relevant to the permit deviation. Reporting under this condition does not relieve the permittee from the reporting requirements of any applicable regulation, including LAC 33.I.Chapter 39, LAC 33.III.Chapter 9, and LAC 33.III.5107. [Reference 40 CFR 70.6(a)(3)(iii)(B)]
- S. Permittee shall continue to comply with applicable requirements on a timely basis, and will meet on a timely basis applicable requirements that become effective during the permit term. [Reference 40 CFR 70.5(c)(8)(iii)]
- T. The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for Motor Vehicle Air Conditioners (MVACs) in Subpart B:
1. Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to 40 CFR 82.156;
  2. Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to 40 CFR 82.158;
  3. Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161;
  4. Persons disposing of small appliances, MVACs, and MVAC-like appliances must comply with recordkeeping requirements pursuant to 40 CFR 82.166. ("MVAC-like appliance" as defined at 40 CFR 82.152);
  5. Persons owning commercial or industrial process refrigeration equipment must comply with the leak repair requirements pursuant to 40 CFR 82.156; and
  6. Owners/operators of appliances normally containing 50 or more pounds of refrigerant must keep records of refrigerant purchased and added to such appliances pursuant to 40 CFR 82.166. [Reference 40 CFR 82, Subpart F]

## **40 CFR PART 70 GENERAL CONDITIONS**

- U. If the permittee performs a service on motor (fleet) vehicles when this service involves ozone-depleting substance refrigerant (or regulated substitute substance) in the motor vehicle air conditioner (MVAC), the permittee is subject to all the applicable requirements as specified in 40 CFR Part 82, Subpart B, Servicing of Motor Vehicle Air Conditioners.

The term "motor vehicle" as used in Subpart B does not include a vehicle in which final assembly of the vehicle has not been completed. The term "MVAC" as used in Subpart B does not include the air-tight sealed refrigeration system used as refrigerated cargo, or system used on passenger buses using HCFC-22 refrigerant. [Reference 40 CFR 82, Subpart B]

- V. Data availability for continuous monitoring or monitoring to collect data at specific intervals: Except for monitoring malfunctions, associated repairs, and required quality assurance or control activities (including calibration checks and required zero and span adjustments), the permittee shall conduct all monitoring in continuous operation (or shall collect data at all required intervals) at all times that the emissions unit is operating. For purposes of reporting monitoring deviations under Part 70 General Conditions K and R, and unless otherwise provided for in the Specific Requirements (or Table 3) of this permit, the minimum degree of data availability shall be at least 90% (based on a monthly average) of the operating time of the emissions unit or activity being monitored. This condition does not apply to Leak Detection and Repair (LDAR) programs for fugitive emissions (e.g., 40 CFR 60 Subpart VV, 40 CFR 63 Subpart H).

## **LOUISIANA AIR EMISSIONS PERMIT GENERAL CONDITIONS**

- I. This permit is issued on the basis of the emissions reported in the application for approval of emissions and in no way guarantees that the design scheme presented will be capable of controlling the emissions to the type and quantities stated. Failure to install, properly operate and/or maintain all proposed control measures and/or equipment as specified in the application and supplemental information shall be considered a violation of the permit and LAC 33:III.501. If the emissions are determined to be greater than those allowed by the permit (e.g. during the shakedown period for new or modified equipment) or if proposed control measures and/or equipment are not installed or do not perform according to design efficiency, an application to modify the permit must be submitted. All terms and conditions of this permit shall remain in effect unless and until revised by the permitting authority.
- II. The permittee is subject to all applicable provisions of the Louisiana Air Quality Regulations. Violation of the terms and conditions of the permit constitutes a violation of these regulations.
- III. The Emission Rates for Criteria Pollutants, Emission Rates for TAP/HAP & Other Pollutants, and Specific Requirements sections or, where included, Emission Inventory Questionnaire sheets establish the emission limitations and are a part of the permit. Any operating limitations are noted in the Specific Requirements or, where included, Tables 2 and 3 of the permit. The synopsis is based on the application and Emission Inventory Questionnaire (EIQ) dated May 1, 2006; and additional information as of September 23, 2006.
- IV. This permit shall become invalid, for the sources not constructed, if:
  - A. Construction is not commenced, or binding agreements or contractual obligations to undertake a program of construction of the project are not entered into, within two (2) years (18 months for PSD permits) after issuance of this permit, or;
  - B. If construction is discontinued for a period of two (2) years (18 months for PSD permits) or more.The administrative authority may extend this time period upon a satisfactory showing that an extension is justified.  
This provision does not apply to the time period between construction of the approved phases of a phased construction project. However, each phase must commence construction within two (2) years (18 months for PSD permits) of its projected and approved commencement date.
- V. The permittee shall submit semiannual reports of progress outlining the status of construction, noting any design changes, modifications or alterations in the construction schedule which have or may have an effect on the emission rates or ambient air quality levels. These reports shall continue to be submitted until such time as construction is certified as being complete. Furthermore, for any significant change in the design, prior approval shall be obtained from the Office of Environmental Services, Air Permits Division.

## **LOUISIANA AIR EMISSIONS PERMIT GENERAL CONDITIONS**

- VI. The permittee shall notify the Department of Environmental Quality, Office of Environmental Services, Air Permits Division within ten (10) calendar days from the date that construction is certified as complete and the estimated date of start-up of operation. The appropriate Regional Office shall also be so notified within the same time frame.
- VII. Any emissions testing performed for purposes of demonstrating compliance with the limitations set forth in paragraph III shall be conducted in accordance with the methods described in the Specific Conditions and, where included, Tables 1, 2, 3, 4, and 5 of this permit. Any deviation from or modification of the methods used for testing shall have prior approval from the Office of Environmental Assessment, Air Quality Assessment Division.
- VIII. The emission testing described in paragraph VII above, or established in the specific conditions of this permit, shall be conducted within sixty (60) days after achieving normal production rate or after the end of the shakedown period, but in no event later than 180 days after initial start-up (or restart-up after modification). The Office of Environmental Assessment, Air Quality Assessment Division shall be notified at least (30) days prior to testing and shall be given the opportunity to conduct a pretest meeting and observe the emission testing. The test results shall be submitted to the Air Quality Assessment Division within sixty (60) days after the complete testing. As required by LAC 33:III.913, the permittee shall provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.
- IX. The permittee shall, within 180 days after start-up and shakedown of each project or unit, report to the Office of Environmental Compliance, Surveillance Division any significant difference in operating emission rates as compared to those limitations specified in paragraph III. This report shall also include, but not be limited to, malfunctions and upsets. A permit modification shall be submitted, if necessary, as required in Condition I.
- X. The permittee shall retain records of all information resulting from monitoring activities and information indicating operating parameters as specified in the specific conditions of this permit for a minimum of at least five (5) years.
- XI. If for any reason the permittee does not comply with, or will not be able to comply with, the emission limitations specified in this permit, the permittee shall provide the Office of Environmental Compliance, Surveillance Division with a written report as specified below.
- A. A written report shall be submitted within 7 days of any emission in excess of permit requirements by an amount greater than the Reportable Quantity established for that pollutant in LAC 33.I.Chapter 39.
  - B. A written report shall be submitted within 7 days of the initial occurrence of any emission in excess of permit requirements, regardless of the amount, where such emission occurs over a period of seven days or longer.

**LOUISIANA AIR EMISSIONS PERMIT  
GENERAL CONDITIONS**

- C. A written report shall be submitted quarterly to address all emission limitation exceedances not included in paragraphs A or B above. The schedule for submittal of quarterly reports shall be no later than the dates specified below for any emission limitation exceedances occurring during the corresponding specified calendar quarter:
    - 1. Report by June 30 to cover January through March
    - 2. Report by September 30 to cover April through June
    - 3. Report by December 31 to cover July through September
    - 4. Report by March 31 to cover October through December
  - D. Each report submitted in accordance with this condition shall contain the following information:
    - 1. Description of noncomplying emission(s);
    - 2. Cause of noncompliance;
    - 3. Anticipated time the noncompliance is expected to continue, or if corrected, the duration of the period of noncompliance;
    - 4. Steps taken by the permittee to reduce and eliminate the noncomplying emissions; and
    - 5. Steps taken by the permittee to prevent recurrences of the noncomplying emissions.
  - E. Any written report submitted in advance of the timeframes specified above, in accordance with an applicable regulation, may serve to meet the reporting requirements of this condition provided all information specified above is included. For Part 70 sources, reports submitted in accordance with Part 70 General Condition R shall serve to meet the requirements of this condition provided all specified information is included. Reporting under this condition does not relieve the permittee from the reporting requirements of any applicable regulation, including LAC 33.I.Chapter 39, LAC 33.III.Chapter 9, and LAC 33.III.5107.
- XII. Permittee shall allow the authorized officers and employees of the Department of Environmental Quality, at all reasonable times and upon presentation of identification, to:
- A. Enter upon the permittee's premises where regulated facilities are located, regulated activities are conducted or where records required under this permit are kept;
  - B. Have access to and copy any records that are required to be kept under the terms and conditions of this permit, the Louisiana Air Quality Regulations, or the Act;
  - C. Inspect any facilities, equipment (including monitoring methods and an operation and maintenance inspection), or operations regulated under this permit; and
  - D. Sample or monitor, for the purpose of assuring compliance with this permit or as otherwise authorized by the Act or regulations adopted thereunder, any substances or parameters at any location.

**LOUISIANA AIR EMISSIONS PERMIT  
GENERAL CONDITIONS**

- XIII. If samples are taken under Section XII.D. above, the officer or employee obtaining such samples shall give the owner, operator or agent in charge a receipt describing the sample obtained. If requested prior to leaving the premises, a portion of each sample equal in volume or weight to the portion retained shall be given to the owner, operator or agent in charge. If an analysis is made of such samples, a copy of the analysis shall be furnished promptly to the owner, operator or agency in charge.
- XIV. The permittee shall allow authorized officers and employees of the Department of Environmental Quality, upon presentation of identification, to enter upon the permittee's premises to investigate potential or alleged violations of the Act or the rules and regulations adopted thereunder. In such investigations, the permittee shall be notified at the time entrance is requested of the nature of the suspected violation. Inspections under this subsection shall be limited to the aspects of alleged violations. However, this shall not in any way preclude prosecution of all violations found.
- XV. The permittee shall comply with the reporting requirements specified under LAC 33:III.919 as well as notification requirements specified under LAC 33:III.927.
- XVI. In the event of any change in ownership of the source described in this permit, the permittee and the succeeding owner shall notify the Office of Environmental Services, Air Permits Division, within ninety (90) days after the event, to amend this permit.
- XVII. Very small emissions to the air resulting from routine operations, that are predictable, expected, periodic, and quantifiable and that are submitted by the permitted facility and approved by the Air Permits Division are considered authorized discharges. Approved activities are noted in the General Condition XVII Activities List of this permit. To be approved as an authorized discharge, these very small releases must:
1. Generally be less than 5 TPY
  2. Be less than the minimum emission rate (MER)
  3. Be scheduled daily, weekly, monthly, etc., or
  4. Be necessary prior to plant startup or after shutdown [line or compressor pressuring/depressuring for example]
- These releases are not included in the permit totals because they are small and will have an insignificant impact on air quality. This general condition does not authorize the maintenance of a nuisance, or a danger to public health and safety. The permitted facility must comply with all applicable requirements, including release reporting under LAC 33:I.3901.
- XVIII. Provisions of this permit may be appealed in writing pursuant to La. R.S. 30:2024(A) within 30 days from receipt of the permit. Only those provisions specifically appealed will be suspended by a request for hearing, unless the secretary or the assistant secretary elects to suspend other provisions as well. Construction cannot proceed except as specifically approved by the secretary or assistant secretary. A request for hearing must be sent to the following:

**LOUISIANA AIR EMISSIONS PERMIT  
GENERAL CONDITIONS**

Attention: Office of the Secretary, Legal Services Division  
La. Dept. of Environmental Quality  
Post Office Box 4302  
Baton Rouge, Louisiana 70821-4302

- XIX. Certain Part 70 general conditions may duplicate or conflict with state general conditions. To the extent that any Part 70 conditions conflict with state general conditions, then the Part 70 general conditions control. To the extent that any Part 70 general conditions duplicate any state general conditions, then such state and Part 70 provisions will be enforced as if there is only one condition rather than two conditions.

## General Information

AI ID: 3165 Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery

Activity Number: PER20060012

Permit Number: 3039-V0

Air - Title V Regular Permit Major Mod

Also Known As:	ID	Name	User Group	Start Date
	2580-00013	Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery	Air Permitting	09-01-2005
	2580-0013	Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery	CDS Number	06-25-1999
	25-1410539	Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery	Emission Inventory	03-03-2004
	LAD081999724	Federal Tax ID	Federal Tax ID	11-21-1999
	PMT/PC/CA	Marathon Ashland Petroleum LLC	Hazardous Waste Notification	01-12-1999
	LA0045663	GPRRA Baselines	Hazardous Waste Permitting	10-01-1997
	LAR10C457	WPC File Number	LPDES Permit #	05-22-2003
	WP0399	LPDES Permit #	LPDES Permit #	08-08-2004
	LA-3239-L01A	WPC State Permit Number	LWDPPS Permit #	06-25-2003
	7408	Priority 1 Emergency Site	Priority 1 Emergency Site	07-18-2006
	GD-095-0981	Radioactive Material License	Radiation License Number	07-30-2003
	19415	X-Ray Registration Number	Radiation X-ray Registration Number	11-21-1999
	22003	Site ID #	Solid Waste Facility No.	04-30-2001
	36580	Marathon Ashland Petroleum Co - Garyville Refinery	TEMPO Merge	04-01-2002
	38855	Marathon Ashland Petroleum LLC	TEMPO Merge	04-16-2002
	45582	Marathon Ashland Petroleum LLC - LA Refining Division	TEMPO Merge	12-09-2001
	72691	Marathon Ashland Petroleum LLC	TEMPO Merge	04-16-2002
	2580-0013	Marathon Oil Garyville Refinery	TEMPO Merge	04-16-2002
	70051MRTTHNHWY61	Louisiana Refining Division	TEMPO Merge	04-07-2002
	1577	Toxic Emissions Data Inventory #	Toxic Emissions Data Inventory #	01-01-1991
	48-014943	TRI #	Toxic Release Inventory	07-29-2004
	48006222	UST Case History Case Number	Underground Storage Tanks	11-21-1999
		UST Facility ID Number	Underground Storage Tanks	05-27-1993
		UST Facility ID (from UST legacy data)	Underground Storage Tanks	10-12-2002
			Main Phone:	9855352241
			Mailing Address:	PO Box AC Garyville, LA 70051
			Location of Front Gate:	30° 3' 40" 76 hundredths latitude, 90° 35' 36" 7 hundredths longitude, Coordinate Method: GPS-Unspecified, Coordinate Datum: NAD83
			Related People:	Name _____ Relationship _____

## General Information

AI ID: 3165 Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery

Activity Number: PER20060012

Permit Number: 3039-Y0

Air - Title V Regular Permit Major Mod

Related People:	Name	Mailing Address	Phone (Type)	Relationship
	Ryan Cole	PO Box AC Garyville, LA 70051	9855357723 (WP)	Solid Waste Billing Party for
	Racquel Douglas	PO Box AC Garyville, LA 70051	9855357210 (WP)	Water Billing Party for
	Wally Dows	PO Box AC Garyville, LA 70051	9855352241 (WP)	Accident Prevention Contact for
	Wally Dows	PO Box AC Garyville, LA 70051	9855357177 (WF)	Accident Prevention Billing Party for
	Wally Dows	PO Box AC Garyville, LA 70051	9855352241 (WP)	Accident Prevention Billing Party for
	Wally Dows	PO Box AC Garyville, LA 70051	9855357177 (WF)	Accident Prevention Contact for
	C. Blake Harmon	PO Box AC Garyville, LA 70051	5044735520 (CP)	Underground Storage Tank Contact for
	Charles Whitman	PO Box AC Garyville, LA 70051	9855357302 (WP)	Radiation Safety Officer for
	Charles Whitman	PO Box AC Garyville, LA 70051	9855357235 (WF)	Radiation Safety Officer for
	Charles Whitman	PO Box AC Garyville, LA 70051	5044735520 (CP)	Radiation Safety Officer for
	Charles Whitman	PO Box AC Garyville, LA 70051	9855357235 (WF)	Radiation Registration Billing Party for
	Charles Whitman	PO Box AC Garyville, LA 70051	CEWHITMAN@MAF	Radiation Registration Billing Party for
	Charles Whitman	PO Box AC Garyville, LA 70051	CEWHITMAN@MAF	Radiation License Billing Party for
	Charles Whitman	PO Box AC Garyville, LA 70051	5044735520 (CP)	Radiation License Billing Party for
	Charles Whitman	PO Box AC Garyville, LA 70051	9855357235 (WF)	Radiation License Billing Party for
	Charles Whitman	PO Box AC Garyville, LA 70051	9855357302 (WP)	Radiation License Billing Party for
	Charles Whitman	PO Box AC Garyville, LA 70051	5044735520 (CP)	Radiation Registration Billing Party for
	Charles Whitman	PO Box AC Garyville, LA 70051	9855357302 (WP)	Radiation Registration Billing Party for
	Charles Whitman	PO Box AC Garyville, LA 70051	CEWHITMAN@MAF	Radiation Safety Officer for
	Charles Whitman	PO Box AC Garyville, LA 70051	9855357302 (WP)	Radiation Contact For
	Charles Whitman	PO Box AC Garyville, LA 70051	9855357235 (WF)	Radiation Contact For
	Charles Whitman	PO Box AC Garyville, LA 70051	5044735520 (CP)	Radiation Contact For
	Charles Whitman	PO Box AC Garyville, LA 70051	CEWHITMAN@MAF	Radiation Contact For
Related Organizations:	Name	Address	Phone (Type)	Relationship
	Marathon Ashland Pipe Line LLC	539 S Main St Findley, OH 45840	4194222121 (WP)	Owns

Note: This report entitled "General Information" contains a summary of facility-level information contained in LDEQ's TEMPO database for this facility and is not considered a part of the permit. Please review the information contained in this document for accuracy and completeness. If any changes are required or if you have questions regarding this document, you may contact Mr. David Ferrand, Environmental Assistance Division, at (225) 219-3247 or email your changes to facupdate@la.gov.

**INVENTORIES**

AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery  
 Activity Number: PER20060012  
 Permit Number: 3039-V0  
 Air - Title V Regular Permit Major Mod

**Subject Item Inventory:**

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
EQT185	1-08, GME A Crude Heater	368.4 MM BTU/hr	294.72 MM BTU/hr	294.72 MM BTU/hr	ULNB, SCR	8760 hr/yr (All Year)
EQT186	2-08, GME B Crude Heater	368.4 MM BTU/hr	294.72 MM BTU/hr	294.72 MM BTU/hr	ULNB, SCR	8760 hr/yr (All Year)
EQT187	3-08, GME A Vacuum Tower Heater	155.2 MM BTU/hr	124.15 MM BTU/hr	124.15 MM BTU/hr	ULNB, SCR	8760 hr/yr (All Year)
EQT188	4-08, GME B Vacuum Tower Heater	155.2 MM BTU/hr	124.15 MM BTU/hr	124.15 MM BTU/hr	ULNB, SCR	8760 hr/yr (All Year)
EQT189	5-08, GME Naphtha Hydrotreater Reactor Charge Heater	75.7 MM BTU/hr	60.59 MM BTU/hr	60.59 MM BTU/hr	ULNB	8760 hr/yr (All Year)
EQT190	6-08, GME Naphtha Hydrotreater Stripper Reboiler Heater	138.4 MM BTU/hr	110.75 MM BTU/hr	110.75 MM BTU/hr	ULNB	8760 hr/yr (All Year)
EQT191	7A-08, GME Platformer Heater Cell No. 1	474 MM BTU/hr	379.18 MM BTU/hr	379.18 MM BTU/hr	ULNB	8760 hr/yr (All Year)
EQT192	7B-08, GME Platformer Heater Cell No. 2	542.4 MM BTU/hr	433.9 MM BTU/hr	433.9 MM BTU/hr	ULNB	8760 hr/yr (All Year)
EQT193	7C-08, GME Platformer Heater Cell No. 3	333.8 MM BTU/hr	267.02 MM BTU/hr	267.02 MM BTU/hr	ULNB	8760 hr/yr (All Year)
EQT195	9-08, GME KHT Reactor Charge Heater	73.8 MM BTU/hr	59.07 MM BTU/hr	59.07 MM BTU/hr	ULNB	8760 hr/yr (All Year)
EQT196	10-08, GME KHT Stripper Reboiler Heater	121.8 MM BTU/hr	97.45 MM BTU/hr	97.45 MM BTU/hr	ULNB	8760 hr/yr (All Year)
EQT197	11-08, GME HCU Train 1 Reactor Charge Heater	85.05 MM BTU/hr	68.04 MM BTU/hr	68.04 MM BTU/hr	ULNB	8760 hr/yr (All Year)
EQT198	12-08, GME HCU Train 2 Reactor Charge Heater	85.05 MM BTU/hr	68.04 MM BTU/hr	68.04 MM BTU/hr	ULNB	8760 hr/yr (All Year)
EQT199	13-08, GME HCU Fractionator Heater	361.26 MM BTU/hr	289.01 MM BTU/hr	289.01 MM BTU/hr	ULNB	8760 hr/yr (All Year)
EQT200	14-08, GME Sals Gas Plant Hot Oil Heater	183.3 MM BTU/hr	146.65 MM BTU/hr	146.65 MM BTU/hr	ULNB	8760 hr/yr (All Year)
EQT201	15-08, GME Coker Charge Heater	480.1 MM BTU/hr	384.05 MM BTU/hr	384.05 MM BTU/hr	ULNB, SCR	8760 hr/yr (All Year)
EQT202	16-08, GME Boiler No. 1	525.7 MM BTU/hr	420.59 MM BTU/hr	420.59 MM BTU/hr	ULNB, FGR	8760 hr/yr (All Year)
EQT204	18-08, GME Thermal Oxidizer No. 1	63.7 MM BTU/hr	50.98 MM BTU/hr	50.98 MM BTU/hr	ULNB	8760 hr/yr (All Year)
EQT205	19-08, GME Thermal Oxidizer No. 2	63.7 MM BTU/hr	50.98 MM BTU/hr	50.98 MM BTU/hr	ULNB	8760 hr/yr (All Year)
EQT206	20-08, GME Flare	22.8 MM BTU/hr	18.22 MM BTU/hr	18.22 MM BTU/hr	ULNB	8760 hr/yr (All Year)
EQT207	20-08 SU/SD, GME Flare	22.8 MM BTU/hr	18.22 MM BTU/hr	18.22 MM BTU/hr	(None Specified)	8760 hr/yr (All Year)
EQT208	21-08, GME Emergency Generator (Dock)	134.1 horsepower	134.1 horsepower	134.1 horsepower		182 hr/yr (All Year)
EQT209	22-08, GME Emergency Generator (Tank Farm)	671 horsepower	670.5 horsepower	670.5 horsepower		182 hr/yr (All Year)
EQT210	23-08, GME Platformer Regenerator Vent	1229.17 SCFM	983.33 SCFM	983.33 SCFM		8760 hr/yr (All Year)
EQT211	24-08, GME Cooling Tower No. 1	30000 gallons/min	24000 gallons/min	24000 gallons/min		8760 hr/yr (All Year)
EQT212	31-08, GME Coke Stockpile	1200 tons/hr	5700 tons/day	5700 tons/day		8760 hr/yr (All Year)
EQT213	32-08, GME Cooling Tower No. 2	96250 gallons/min	77000 gallons/min	77000 gallons/min		8760 hr/yr (All Year)
EQT214	33A-08, GME A Coker Drum Vent	4500 lb/day	3600 lb/day	3600 lb/day		8760 hr/yr (All Year)
EQT215	33B-08, GME B Coker Drum Vent	4500 lb/day	3600 lb/day	3600 lb/day		8760 hr/yr (All Year)
EQT216	48-08, GME Hydrogen Reformer Furnace Flue Gas Vent	1412.5 MM BTU/hr	1130 MM BTU/hr	1130 MM BTU/hr	ULNB, SCR	8760 hr/yr (All Year)
EQT217	49-08, GME Hydrogen Plant Steam Vent	254500 lb/hr	250000 lb/hr	250000 lb/hr		144 hr/yr (All Year)
EQT218	50-08, GME Hydrogen Plant Deaerator Vent	3125 lb/hr	2500 lb/hr	2500 lb/hr		8760 hr/yr (All Year)
EQT219	52-08, GME Hydrogen Plant Flare	2472 MM BTU/hr	2472 MM BTU/hr	2472 MM BTU/hr		8760 hr/yr (All Year)
EQT220	53-08, GME Hydrogen Plant Cooling Tower	2500 gallons/min	2000 gallons/min	2000 gallons/min		8760 hr/yr (All Year)
EQT221	54-08, GME Hydrogen Plant Hydrogen Vent	5 scf/hr	.08 scf/hr	.08 scf/hr		1850 hr/yr (All Year)
FUG052	51-08, GME Hydrogen Plant Fugitives					8760 hr/yr (All Year)
FUG053	Unit 205 Fug., GME Delayed Coker Unit Fugitives					8760 hr/yr (All Year)

**INVENTORIES**

AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery  
 Activity Number: PER20060012  
 Permit Number: 3039-V0  
 Air - Title V Regular Permit Major Mod

**Subject Item Inventory:**

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
FUG054	Unit 205A Fug., GME Coker Gas Plant Fugitives					8760 hr/yr (All Year)
FUG055	Unit 210 Fug., GME Crude/Vacuum Distillation Unit Fugitives					8760 hr/yr (All Year)
FUG056	Unit 211 Fug., GME Naphtha Hydrotreater Unit Fugitives					8760 hr/yr (All Year)
FUG057	Unit 212 Fug., GME CCR Platformer Unit Fugitives					8760 hr/yr (All Year)
FUG058	Unit 212A Fug., GME Platformer Unit (Perchloroethylene) Fugitives					8760 hr/yr (All Year)
FUG059	Unit 214 Fug., GME Kerosene Hydrotreater Unit Fugitives					8760 hr/yr (All Year)
FUG060	Unit 215 Fug., GME Hydrocracker Fugitives					8760 hr/yr (All Year)
FUG061	Unit 220 Fug., GME Sulfur Recovery Plant No. 1 Fugitives					8760 hr/yr (All Year)
FUG062	Unit 221 Fug., GME Tail Gas Amine Regeneration for SRU No. 1 Fugitives					8760 hr/yr (All Year)
FUG063	Unit 222 Fug., GME Saturates Gas Plant Fugitives					8760 hr/yr (All Year)
FUG064	Unit 222A Fug., GME Sat Propane Merox Unit Fugitives					8760 hr/yr (All Year)
FUG065	Unit 222B Fug., GME Sat Butane Merox Unit Fugitives					8760 hr/yr (All Year)
FUG066	Unit 232 Fug., GME Tail Gas Amine Regeneration for SRU No. 2 Fugitives					8760 hr/yr (All Year)
FUG067	Unit 233 Fug., GME Sour Water Stripper Unit Fugitives					8760 hr/yr (All Year)
FUG068	Unit 234 Fug., GME Sulfur Recovery Plant No. 2 Fugitives					8760 hr/yr (All Year)
FUG069	Unit 241 Fug., GME Intermediate Product Unit Fugitives					8760 hr/yr (All Year)
FUG070	Unit 243 Fug., GME Fuel Gas Treater Unit Fugitives					8760 hr/yr (All Year)
FUG071	Unit 247 Fug., GME Amine Regeneration Unit Fugitives					8760 hr/yr (All Year)
FUG072	Unit 250 Fug., GME Marine Loading Dock No. 4 Unit Fugitives					8760 hr/yr (All Year)
FUG073	Unit 250A Fug., GME Marine Vapor Combustor Fugitives					8760 hr/yr (All Year)
FUG074	Unit 259 Fug., GME Flare System Fugitives					8760 hr/yr (All Year)
FUG075	Unit 260 Fug., GME Wastewater Treatment Plant Train No. 5 Fugitives					8760 hr/yr (All Year)
FUG076	Unit 263 Fug., GME Interconnecting Pipeway Fugitives					8760 hr/yr (All Year)
FUG077	Unit 265 Fug., GME Truck Rack Fugitives					8760 hr/yr (All Year)
FUG078	Unit 267 Fug., GME Blending Facilities Fugitives					8760 hr/yr (All Year)
FUG079	Unit 271 Fug., GME Barge Dock No. 3 Unit Fugitives					8760 hr/yr (All Year)

**Subject Item Groups:**

ID	Description	Included Components (from Above)
GRP028	GME Fugitive Cap	FUG52 51-08, GME Hydrogen Plant Fugitives
GRP028	GME Fugitive Cap	FUG53 Unit 205 Fug., GME Delayed Coker Unit Fugitives
GRP028	GME Fugitive Cap	FUG54 Unit 205A Fug., GME Coker Gas Plant Fugitives
GRP028	GME Fugitive Cap	FUG55 Unit 210 Fug., GME Crude/Vacuum Distillation Unit Fugitives
GRP028	GME Fugitive Cap	FUG56 Unit 211 Fug., GME Naphtha Hydrotreater Unit Fugitives

**INVENTORIES**

AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery  
 Activity Number: PER20060012  
 Permit Number: 3039-V0  
 Air - Title V Regular Permit Major Mod

**Subject Item Groups:**

ID	Description	Included Components (from Above)
GRP028	GME Fugitive Cap	FUG57 Unit 212A Fug., GME Platformer Unit Fugitives
GRP028	GME Fugitive Cap	FUG58 Unit 212A Fug., GME Platformer Unit (Perchloroethylene) Fugitives
GRP028	GME Fugitive Cap	FUG59 Unit 214 Fug., GME Kerosene Hydrotreater Unit Fugitives
GRP028	GME Fugitive Cap	FUG60 Unit 215 Fug., GME Hydrocracker Fugitives
GRP028	GME Fugitive Cap	FUG61 Unit 220 Fug., GME Sulfur Recovery Plant No. 1 Fugitives
GRP028	GME Fugitive Cap	FUG62 Unit 221 Fug., GME Tail Gas Amine Regeneration for SRU No. 1 Fugitives
GRP028	GME Fugitive Cap	FUG63 Unit 222 Fug., GME Saturates Gas Plant Fugitives
GRP028	GME Fugitive Cap	FUG64 Unit 222A Fug., GME Sat Propane Merox Unit Fugitives
GRP028	GME Fugitive Cap	FUG65 Unit 222B Fug., GME Sat Butane Merox Unit Fugitives
GRP028	GME Fugitive Cap	FUG66 Unit 232 Fug., GME Tail Gas Amine Regeneration for SRU No. 2 Fugitives
GRP028	GME Fugitive Cap	FUG67 Unit 233 Fug., GME Sour Water Stripper Unit Fugitives
GRP028	GME Fugitive Cap	FUG68 Unit 234 Fug., GME Sulfur Recovery Plant No. 2 Fugitives
GRP028	GME Fugitive Cap	FUG69 Unit 241 Fug., GME Intermediate Product Unit Fugitives
GRP028	GME Fugitive Cap	FUG70 Unit 243 Fug., GME Fuel Gas Treater Unit Fugitives
GRP028	GME Fugitive Cap	FUG71 Unit 247 Fug., GME Amine Regeneration Unit Fugitives
GRP028	GME Fugitive Cap	FUG72 Unit 250 Fug., GME Marine Loading Dock No. 4 Unit Fugitives
GRP028	GME Fugitive Cap	FUG73 Unit 250A Fug., GME Marine Vapor Combustor Fugitives
GRP028	GME Fugitive Cap	FUG74 Unit 259 Fug., GME Flare System Fugitives
GRP028	GME Fugitive Cap	FUG75 Unit 260 Fug., GME Wastewater Treatment Plant Train No. 5 Fugitives
GRP028	GME Fugitive Cap	FUG76 Unit 263 Fug., GME Interconnecting Pipeway Fugitives
GRP028	GME Fugitive Cap	FUG77 Unit 265 Fug., GME Truck Rack Fugitives
GRP028	GME Fugitive Cap	FUG78 Unit 267 Fug., GME Blending Facilities Fugitives
GRP028	GME Fugitive Cap	FUG79 Unit 271 Fug., GME Barge Dock No. 3 Unit Fugitives
GRP029	GME Heater/Boiler Cap	EQT185 1-08, GME A Crude Heater
GRP029	GME Heater/Boiler Cap	EQT186 2-08, GME B Crude Heater
GRP029	GME Heater/Boiler Cap	EQT187 3-08, GME A Vacuum Tower Heater
GRP029	GME Heater/Boiler Cap	EQT188 4-08, GME B Vacuum Tower Heater
GRP029	GME Heater/Boiler Cap	EQT189 5-08, GME Naphtha Hydrotreater Reactor Charge Heater
GRP029	GME Heater/Boiler Cap	EQT190 6-08, GME Naphtha Hydrotreater Stripper Reboiler Heater
GRP029	GME Heater/Boiler Cap	EQT191 7A-08, GME Platformer Heater Cell No. 1
GRP029	GME Heater/Boiler Cap	EQT192 7B-08, GME Platformer Heater Cell No. 2
GRP029	GME Heater/Boiler Cap	EQT193 7C-08, GME Platformer Heater Cell No. 3
GRP029	GME Heater/Boiler Cap	EQT195 9-08, GME KHT Reactor Charge Heater
GRP029	GME Heater/Boiler Cap	EQT196 10-08, GME KHT Stripper Reboiler Heater
GRP029	GME Heater/Boiler Cap	EQT197 11-08, GME HCU Train 1 Reactor Charge Heater
GRP029	GME Heater/Boiler Cap	EQT198 12-08, GME HCU Train 2 Reactor Charge Heater
GRP029	GME Heater/Boiler Cap	EQT199 13-08, GME HCU Fractionator Heater

**INVENTORIES**

AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery

Activity Number: PER20060012

Permit Number: 3039-V0

Air - Title V Regular Permit Major Mod

**Subject Item Groups:**

ID	Description	Included Components (from Above)
GRP029	GME Heater/Boiler Cap	EQT200 14-08, GME Sats Gas Plant Hot Oil Heater
GRP029	GME Heater/Boiler Cap	EQT201 15-08, GME Coker Charge Heater
GRP029	GME Heater/Boiler Cap	EQT202 16-08, GME Boiler No. 1
GRP029	GME Heater/Boiler Cap	EQT216 48-08, GME Hydrogen Reformer Furnace Flue Gas Vent
GRP030	GME Thermal Oxidizer Cap	EQT204 18-08, GME Thermal Oxidizer No. 1
GRP030	GME Thermal Oxidizer Cap	EQT205 19-08, GME Thermal Oxidizer No. 2
GRP031	GME Facility	EQT185 1-08, GME A Crude Heater
GRP031	GME Facility	EQT186 2-08, GME B Crude Heater
GRP031	GME Facility	EQT187 3-08, GME A Vacuum Tower Heater
GRP031	GME Facility	EQT188 4-08, GME B Vacuum Tower Heater
GRP031	GME Facility	EQT189 5-08, GME Naphtha Hydrotreater Reactor Charge Heater
GRP031	GME Facility	EQT190 6-08, GME Naphtha Hydrotreater Stripper Reboiler Heater
GRP031	GME Facility	EQT191 7A-08, GME Platformer Heater Cell No. 1
GRP031	GME Facility	EQT192 7B-08, GME Platformer Heater Cell No. 2
GRP031	GME Facility	EQT193 7C-08, GME Platformer Heater Cell No. 3
GRP031	GME Facility	EQT195 9-08, GME KHT Reactor Charge Heater
GRP031	GME Facility	EQT196 10-08, GME KHT Stripper Reboiler Heater
GRP031	GME Facility	EQT197 11-08, GME HCU Train 1 Reactor Charge Heater
GRP031	GME Facility	EQT198 12-08, GME HCU Train 2 Reactor Charge Heater
GRP031	GME Facility	EQT199 13-08, GME HCU Fractionator Heater
GRP031	GME Facility	EQT200 14-08, GME Sats Gas Plant Hot Oil Heater
GRP031	GME Facility	EQT201 15-08, GME Coker Charge Heater
GRP031	GME Facility	EQT202 16-08, GME Boiler No. 1
GRP031	GME Facility	EQT204 18-08, GME Thermal Oxidizer No. 1
GRP031	GME Facility	EQT205 19-08, GME Thermal Oxidizer No. 2
GRP031	GME Facility	EQT206 20-08, GME Flare
GRP031	GME Facility	EQT207 20-08 SU/SD, GME Flare
GRP031	GME Facility	EQT208 21-08, GME Emergency Generator (Dock)
GRP031	GME Facility	EQT209 22-08, GME Emergency Generator (Tank Farm)
GRP031	GME Facility	EQT210 23-08, GME Platformer Regenerator Vent
GRP031	GME Facility	EQT211 24-08, GME Cooling Tower No. 1
GRP031	GME Facility	EQT212 31-08, GME Coke Stockpile
GRP031	GME Facility	EQT213 32-08, GME Cooling Tower No. 2
GRP031	GME Facility	EQT214 33A-08, GME A Coker Drum Vent
GRP031	GME Facility	EQT215 33B-08, GME B Coker Drum Vent
GRP031	GME Facility	EQT216 48-08, GME Hydrogen Reformer Furnace Flue Gas Vent
GRP031	GME Facility	EQT217 49-08, GME Hydrogen Plant Steam Vent

**INVENTORIES**

AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery

Activity Number: PER20060012

Permit Number: 3039-V0

Air - Title V Regular Permit Major Mod

**Subject Item Groups:**

ID	Description	Included Components (from Above)
GRP031	GME Facility	EQT218 50-08, GME Hydrogen Plant Deaerator Vent
GRP031	GME Facility	EQT219 52-08, GME Hydrogen Plant Flare
GRP031	GME Facility	EQT220 53-08, GME Hydrogen Plant Cooling Tower
GRP031	GME Facility	EQT221 54-08, GME Hydrogen Plant Hydrogen Vent
GRP031	GME Facility	FUG52 51-08, GME Hydrogen Plant Fugitives
GRP031	GME Facility	FUG53 Unit 205 Fug., GME Delayed Coker Unit Fugitives
GRP031	GME Facility	FUG54 Unit 205A Fug., GME Coker Gas Plant Fugitives
GRP031	GME Facility	FUG55 Unit 210 Fug., GME Crude/Vacuum Distillation Unit Fugitives
GRP031	GME Facility	FUG56 Unit 211 Fug., GME Naphtha Hydrotreater Unit Fugitives
GRP031	GME Facility	FUG57 Unit 212 Fug., GME CCR Platformer Unit Fugitives
GRP031	GME Facility	FUG58 Unit 212A Fug., GME Platformer Unit (Perchloroethylene) Fugitives
GRP031	GME Facility	FUG59 Unit 214 Fug., GME Kerosene Hydrotreater Unit Fugitives
GRP031	GME Facility	FUG60 Unit 215 Fug., GME Hydrocracker Fugitives
GRP031	GME Facility	FUG61 Unit 220 Fug., GME Sulfur Recovery Plant No. 1 Fugitives
GRP031	GME Facility	FUG62 Unit 221 Fug., GME Tail Gas Amine Regeneration for SRU No. 1 Fugitives
GRP031	GME Facility	FUG63 Unit 222 Fug., GME Saturates Gas Plant Fugitives
GRP031	GME Facility	FUG64 Unit 222A Fug., GME Sat Propane Merox Unit Fugitives
GRP031	GME Facility	FUG65 Unit 222B Fug., GME Sat Butane Merox Unit Fugitives
GRP031	GME Facility	FUG66 Unit 232 Fug., GME Tail Gas Amine Regeneration for SRU No. 2 Fugitives
GRP031	GME Facility	FUG67 Unit 233 Fug., GME Sour Water Stripper Unit Fugitives
GRP031	GME Facility	FUG68 Unit 234 Fug., GME Sulfur Recovery Plant No. 2 Fugitives
GRP031	GME Facility	FUG69 Unit 241 Fug., GME Intermediate Product Unit Fugitives
GRP031	GME Facility	FUG70 Unit 243 Fug., GME Fuel Gas Treater Unit Fugitives
GRP031	GME Facility	FUG71 Unit 247 Fug., GME Amine Regeneration Unit Fugitives
GRP031	GME Facility	FUG72 Unit 250 Fug., GME Marine Loading Dock No. 4 Unit Fugitives
GRP031	GME Facility	FUG73 Unit 250A Fug., GME Marine Vapor Combustor Fugitives
GRP031	GME Facility	FUG74 Unit 259 Fug., GME Flare System Fugitives
GRP031	GME Facility	FUG75 Unit 260 Fug., GME Wastewater Treatment Plant Train No. 5 Fugitives
GRP031	GME Facility	FUG76 Unit 263 Fug., GME Interconnecting Pipeway Fugitives
GRP031	GME Facility	FUG77 Unit 265 Fug., GME Truck Rack Fugitives
GRP031	GME Facility	FUG78 Unit 267 Fug., GME Blending Facilities Fugitives
GRP031	GME Facility	FUG79 Unit 271 Fug., GME Barge Dock No. 3 Unit Fugitives

Relationships:

**Stack Information:**

ID	Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (°F)
TP0R0149						

**INVENTORIES**

AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery

Activity Number: PER20060012

Permit Number: 3039-V0

Air - Title V Regular Permit Major Mod

## Stack Information:

ID		Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (°F)
EQT185	1-08, GME A Crude Heater	13	58236.29	9.75		150	300
EQT186	2-08, GME B Crude Heater	13	58236.29	9.75		150	300
EQT187	3-08, GME A Vacuum Tower Heater	12	23891.81	6.5		150	300
EQT188	4-08, GME B Vacuum Tower Heater	12	23891.81	6.5		150	300
EQT189	5-08, GME Naphtha Hydrotreater Reactor Charge Heater	19.8	21052.01	4.75		150	600
EQT190	6-08, GME Naphtha Hydrotreater Stripper Reboiler Heater	19.8	39421.59	6.5		150	600
EQT191	7A-08, GME Platformer Heater Cell No. 1	21.4	95865.9	9.75		200	300
EQT192	7B-08, GME Platformer Heater Cell No. 2	21.4	95865.9	9.75		200	300
EQT193	7C-08, GME Platformer Heater Cell No. 3	21.4	95865.9	9.75		200	300
EQT195	9-08, GME KHT Reactor Charge Heater	19.2	20414.07	4.75		150	600
EQT196	10-08, GME KHT Stripper Reboiler Heater	20.6	32095.49	5.75		150	600
EQT197	11-08, GME HCU Train 1 Reactor Charge Heater	24	20721.63	4.5		150	500
EQT198	12-08, GME HCU Train 2 Reactor Charge Heater	24	20721.63	4.5		150	500
EQT199	13-08, GME HCU Fractionator Heater	13	88712.69	13.5		150	300
EQT200	14-08, GME Sats Gas Plant Hot Oil Heater	16.8	38700.02	7		150	600
EQT201	15-08, GME Coker Charge Heater	12.8	94247.78	12.5		150	300
EQT202	16-08, GME Boiler No. 1	12.3	74858.42	12.3		75	300
EQT204	18-08, GME Thermal Oxidizer No. 1	41	12075.66	2.5		200	600
EQT205	19-08, GME Thermal Oxidizer No. 2	41	12075.66	2.5		200	600
EQT206	20-08, GME Flare	65.6	19320.79	2.5		212	1831.73
EQT207	20-08 SUUSD, GME Flare	65.6	19320.79	2.5		212	1831.73
EQT208	21-08, GME Emergency Generator (Dock)	225.2		1		10	400
EQT209	22-08, GME Emergency Generator (Tank Farm)	225.2		1		10	400
EQT210	23-08, GME Platformer Regenerator Vent	16		.43		50	795
EQT211	24-08, GME Cooling Tower No. 1	36.52		.28		50	80
EQT212	31-08, GME Coke Stockpile			3.28		3.28	80
EQT213	32-08, GME Cooling Tower No. 2	57.91		16		31	80
EQT214	33A-08, GME A Coker Drum Vent	1.86	60.38	.83		180	212
EQT215	33B-08, GME B Coker Drum Vent	1.86	60.38	.83		212	212
EQT216	48-08, GME Hydrogen Reformer Furnace Flue Gas Vent	38.4		12.5		100	315
EQT217	49-08, GME Hydrogen Plant Steam Vent	162.3	78317.64	3.2		60	320
EQT218	50-08, GME Hydrogen Plant Deaerator Vent	95.95	1130.38	.5		75	226.99
EQT219	52-08, GME Hydrogen Plant Flare	65.6	4451.51	1.2		100	1831.73
EQT220	53-08, GME Hydrogen Plant Cooling Tower	4.54	13692.32	.8		65	210
EQT221	54-08, GME Hydrogen Plant Hydrogen Vent	60	76667	.5		155	100

## Fee Information:

Sub Item Id	Multipplier	Units Of Measure	Fee Desc
GRP031	180	1,000 BBL/Day	0720 - Petroleum Refining (Rated Capacity)

## EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery

Activity Number: PER20060012

Permit Number: 3039-V0

Air - Title V Regular Permit Major Mod

### All phases

Subject Item	PM <sub>10</sub>			SO <sub>2</sub>			NOx			CO			VOC		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 185 1-08	2.74		10.67			11.79			14.74			0.55			
EQT 186 2-08	2.74		10.67			11.79			14.74			0.55			
EQT 187 3-08	1.16		4.50			6.21			6.21			0.23			
EQT 188 4-08	1.16		4.50			6.21			6.21			0.23			
EQT 189 5-08	0.56		2.19			2.27			3.03			0.11			
EQT 190 6-08	1.03		4.01			4.15			5.54			0.21			
EQT 191 7A-08	3.53		13.73			14.22			18.96			0.71			
EQT 192 7B-08	4.04		15.72			16.27			21.70			0.81			
EQT 193 7C-08	2.49		9.67			10.01			13.35			0.50			
EQT 195 9-08	0.55		2.14			2.22			2.95			0.11			
EQT 196 10-08	0.91		3.53			3.65			4.87			0.18			
EQT 197 11-08	0.63		2.46			2.55			3.40			0.13			
EQT 198 12-08	0.63		2.46			2.55			3.40			0.13			
EQT 199 13-08	2.69		10.47			11.56			14.45			0.54			
EQT 200 14-08	1.37		11.58			5.51			7.33			0.27			
EQT 201 15-08	3.58		41.59			15.36			19.20			0.72			
EQT 202 16-08	3.92		15.23			21.03			21.03			0.79			
EQT 204 18-08	0.47		61.67			12.75			2.55			0.03			

## EMISSION RATES FOR CRITERIA POLLUTANTS

All ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery

Activity Number: PER20060012

Permit Number: 3039-V0

Air - Title V Regular Permit Major Mod

### All phases

Subject Item	PM <sub>10</sub>			SO <sub>2</sub>			NOx			CO			VOC		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 205 19-08	0.14	0.47	0.47	0.58	0.90	2.23	1.77	2.22	5.11	1.56	2.45	5.09	0.47	0.59	0.03
EQT 206 20-08	2.95	3.69	0.27	0.01	< 0.02	0.01	41.57	51.96	3.78	8.96	11.20	0.82	3.31	4.14	1.40
EQT 207 20-08 SUSD 21-08	1.48	1.84	0.13	0.01	< 0.01	0.01	20.79	25.98	1.89	4.48	5.60	0.41	1.66	2.07	1.74
EQT 208 22-08	0.06	0.07	0.26				0.84	1.05		0.84	1.05	0.36	0.45	0.45	0.30
EQT 209 23-08	0.72	0.90	3.16									1.01	1.26	0.15	0.15
EQT 210 24-08	0.01	0.04	0.07									< 0.01	0.01	0.01	0.58
EQT 211 31-08	2.31	2.89	10.13									3.23	4.04	14.16	4.42
EQT 212 32-08												36.00	45.00	6.57	
EQT 213 33A-08												36.00	45.00	6.57	
EQT 214 33B-08												22.25	22.25	1.60	
EQT 215 48-08	10.52		32.45		45.20		56.50								
EQT 216 49-08															
EQT 217 50-08															
EQT 218 51-08															
EQT 219 52-08															
EQT 220 53-08															
EQT 221 54-08															
FUG 032 51-08															

**EMISSION RATES FOR CRITERIA POLLUTANTS**

AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery

Activity Number: PER20060012

Permit Number: 3039-V0

Air - Title V Regular Permit Major Mod

**All phases**

All phases										All phases					
Subject Item	PM <sub>10</sub>			SO <sub>2</sub>			NOx			CO			VOC		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
FUG 053 Unit 205 Fug.															19.25
FUG 054 Unit 205A Fug.															1.80
FUG 055 Unit 210 Fug															17.01
FUG 056 Unit 211 Fug															0.96
FUG 057 Unit 212 Fug.															2.62
FUG 058 Unit 212A Fug.															0.13
FUG 059 Unit 214 Fug.															4.55
FUG 060 Unit 215 Fug.															8.63
FUG 061 Unit 220 Fug.							0.01								
FUG 062 Unit 221 Fug.															0.07
FUG 063 Unit 222 Fug.															7.88
FUG 064 Unit 222A Fug.															1.53
FUG 065 Unit 222B Fug.															0.93
FUG 066 Unit 232 Fug.															0.07
FUG 067 Unit 233 Fug.															0.28
FUG 068 Unit 234 Fug.															
FUG 069 Unit 241 Fug.															0.14
FUG 070 Unit 243 Fug.															1.01

## EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery

Activity Number: PER20060012

Permit Number: 3039-V0

Air - Title V Regular Permit Major Mod

### All phases

Subject Item	PM <sub>10</sub>		SO <sub>2</sub>		NOx		CO		VOC			
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
FUG 071 Unit 247 Fug.												0.07
FUG 072 Unit 250 Fug.												0.44
FUG 073 Unit 250A Fug.												0.18
FUG 074 Unit 259 Fug.												0.71
FUG 075 Unit 260 Fug.												3.92
FUG 076 Unit 263 Fug.												10.33
FUG 077 Unit 265 Fug.												1.88
FUG 078 Unit 267 Fug.												2.89
FUG 079 Unit 271 Fug.												0.57
GRP 028 GME Fug	0.02	0.07										73.22
GRP 029 GME H/C	35.41	47.50	155.09	208.03	105.62	462.60	190.08	832.57	12.37			54.18
GRP 030 GME TOC	0.76	3.33	46.08	201.83	20.39	89.32	4.08	17.86	0.04			0.18

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals

#### Permit Phase Totals:

PM10: 173.72 tons/yr  
 SO2: 419.74 tons/yr  
 NOx: 569.60 tons/yr  
 CO: 940.81 tons/yr  
 VOC: 417.99 tons/yr

#### Emission rates Notes:

## EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery

Activity Number: PER20060012

Permit Number: 3039-V0

Air - Title V Regular Permit Major Mod

### All phases

Subject Item	2,2,4-Trimethylpentane			Ammonia			Arsenic (and compounds)			Barium (and compounds)			Benzene			
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	
EQT 185 1-08					1.96											
EQT 186 2-08					1.96											
EQT 187 3-08					0.80											
EQT 188 4-08					0.80											
EQT 200 14-08																
EQT 201 15-08					3.17											
EQT 204 18-08																
EQT 205 19-08																
EQT 206 20-08				<	0.01	<	0.01	<	0.01	<	0.01	<	0.01	<	0.01	
EQT 207 20-08 SUSD													<	0.01	<	0.01
EQT 210 22-08																
EQT 212 31-08																
EQT 214 33A-08																
EQT 215 33B-08																
EQT 216 48-08													6.77			
EQT 217 49-08													4.25	4.25	0.31	
EQT 218 50-08				<	0.01	<	0.01						0.01			
EQT 219 52-08																

## EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery

Activity Number: PER20060012

Permit Number: 3039-V0

Air - Title V Regular Permit Major Mod

### All phases

Beryllium (Table 51.1)										Cadmium (and compounds)				Chromium VI (and compounds)				Cobalt compounds				Copper (and compounds)			
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year				
EQT 185 1-08																									
EQT 186 2-08																									
EQT 187 3-08																									
EQT 188 4-08																									
EQT 200 14-08																									
EQT 201 15-08																									
EQT 204 18-08																									
EQT 205 19-08																									
EQT 206 20-08	<	0.01	<	0.01	<	0.01	<	0.01	<	0.01	<	0.01	<	0.01	<	0.01	<	0.01	<	0.01	<				
EQT 207 20-08 S/SD																									
EQT 210 23-08																									
EQT 212 31-08																									
EQT 214 33A-08																									
EQT 215 33B-08																									
EQT 216 48-08																									
EQT 217 49-08																									
EQT 218 50-08																									
EQT 219 52-08																									

**EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS**

AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery

Activity Number: PER20060012

Permit Number: 3039-V0

Air - Title V Regular Permit Major Mod

**All phases**

Dichlorobenzene			Ethyl benzene			Formaldehyde			Hydrochloric acid			Hydrogen sulfide			
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 185 1-08															
EQT 186 2-08															
EQT 187 3-08															
EQT 188 4-08										< 0.01					
EQT 200 14-08										0.01					
EQT 201 15-08										0.01					
EQT 204 18-08													< 0.01		
EQT 205 19-08													< 0.01		
EQT 206 20-08	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.44	0.55	0.01
EQT 207 20-08 SW/SD													0.06	0.08	0.27
EQT 210 23-08															
EQT 212 31-08															
EQT 214 33A-08															
EQT 215 33B-08															
EQT 216 48-08															
EQT 217 49-08															
EQT 218 50-08															
EQT 219 52-08													< 0.01	< 0.01	< 0.01

## EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery

Activity Number: PER20060012

Permit Number: 3039-V0

Air - Title V Regular Permit Major Mod

### All phases

Lead compounds			Manganese (and compounds)			Mercury (and compounds)			Methanol			Naphthalene (and Methyl naphthalenes)			
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 185 1-08															
EQT 186 2-08															
EQT 187 3-08															
EQT 188 4-08															
EQT 200 14-08															
EQT 201 15-08															
EQT 204 18-08															
EQT 205 19-08															
EQT 206 20-08	<	0.01	<	0.01	<	0.01	<	0.01	<	0.01	<	0.01	<	0.01	<
EQT 207 20-08 SU/SD															
EQT 210 23-08															
EQT 212 31-08															
EQT 214 33A-08															
EQT 215 33B-08															
EQT 216 48-08															
EQT 217 49-08															
EQT 218 50-08															
EQT 219 52-08															

## EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery  
 Activity Number: PER20060012  
 Permit Number: 3039-YO  
 Air - Title V Regular Permit Major Mod

### All phases

Nickel (and compounds) bonds			Polynuclear Aromatic Hydrocar			Selenium (and compounds)			Tetrachloroethylene			Toluene			
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 185 1-08															
EQT 186 2-08															
EQT 187 3-08															
EQT 188 4-08															
EQT 200 14-08															
EQT 201 15-08															
EQT 204 18-08															
EQT 205 19-08															
EQT 206 20-08	<	0.01	<	0.01	<	0.01	<	0.01	<	0.01	<	0.01	<	0.01	<
EQT 207 20-08 SUSD															
EQT 210 23-08															
EQT 212 31-08	<	0.01	<	0.01	<	0.01	<	0.01	<	0.01	<	0.01	<	0.01	<
EQT 214 33A-08															
EQT 215 33B-08															
EQT 216 48-08															
EQT 217 49-08															
EQT 218 50-08															
EQT 219 52-08															

**EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS**

AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery

Activity Number: PER20060012

Permit Number: 3039-V0

Air - Title V Regular Permit Major Mod

**All phases**

Subject Item	Xylylene (mixed isomers)			Zinc (and compounds)			n-Hexane		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 185 1-08									
EQT 186 2-08									
EQT 187 3-08									
EQT 188 4-08									
EQT 200 14-08									
EQT 201 15-08									
EQT 204 18-08									
EQT 205 19-08									
EQT 206 20-08	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
EQT 207 20-08 SUSD	0.07	0.08	< 0.01						
EQT 210 23-08									
EQT 212 31-08									
EQT 214 33A-08									
EQT 215 33B-08									
EQT 216 48-08									
EQT 217 49-08									
EQT 218 50-08									
EQT 219 52-08									

**EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS**

AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery

Activity Number: PER20060012

Permit Number: 3039-V0

Air - Title V Regular Permit Major Mod

**All phases**

		2,2,4-Trimethylpentane			Ammonia			Arsenic (and compounds)			Barium (and compounds)			Benzene		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	
EQT 220 53-08		<	0.01	<	0.01	0.02										
FUG 052 51-08				0.05	0.06	0.20										
FUG 053 Unit 205 Fug.															0.04	
FUG 054 Unit 205A Fug.															0.01	
FUG 055 Unit 210 Fug.															0.03	
FUG 056 Unit 211 Fug.															<	0.01
FUG 057 Unit 212 Fug.															0.05	
FUG 058 Unit 212A Fug.																
FUG 059 Unit 214 Fug.															<	0.01
FUG 060 Unit 215 Fug.															0.01	
FUG 061 Unit 220 Fug.																
FUG 062 Unit 221 Fug.																
FUG 063 Unit 222 Fug.																
FUG 066 Unit 232 Fug.															0.12	
FUG 067 Unit 233 Fug.															<	0.01
FUG 068 Unit 234 Fug.															<	0.01
FUG 069 Unit 241 Fug.															<	0.01
FUG 070 Unit 243 Fug.															<	0.01

## EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery

Activity Number: PER20060012

Permit Number: 3039-V0

Air - Title V Regular Permit Major Mod

### All phases

Beryllium (Table 51.1)		Cadmium (and compounds)			Chromium VI (and compounds)			Cobalt compounds			Copper (and compounds)		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	
EQT 220 53-08													
FUG 052 51-08													
FUG 053 Unit 205 Fug.													
FUG 054 Unit 205A Fug.													
FUG 055 Unit 210 Fug.													
FUG 056 Unit 211 Fug.													
FUG 057 Unit 212 Fug.													
FUG 058 Unit 212A Fug.													
FUG 059 Unit 214 Fug.													
FUG 060 Unit 215 Fug.													
FUG 061 Unit 220 Fug.													
FUG 062 Unit 221 Fug.													
FUG 063 Unit 222 Fug.													
FUG 066 Unit 232 Fug.													
FUG 067 Unit 233 Fug.													
FUG 068 Unit 234 Fug.													
FUG 069 Unit 241 Fug.													
FUG 070 Unit 243 Fug.													

## EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery

Activity Number: PER20060012

Permit Number: 3039-V0

Air - Title V Regular Permit Major Mod

### All phases

		Ethyl benzene			Formaldehyde			Hydrochloric acid			Hydrogen sulfide		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	
EQT 220													
S3-08													
FUG 052													
51-08													
FUG 053													
Unit 205 Fug.							0.15						
FUG 054													
Unit 205A Fug.							0.01						
FUG 055													
Unit 210 Fug.							0.11						
FUG 056													
Unit 211 Fug.							0.01						
FUG 057													
Unit 212 Fug.							0.05						
FUG 058													
Unit 212A Fug.													
FUG 059							0.04						
Unit 214 Fug.													
FUG 060							0.01						
Unit 215 Fug.													
FUG 061													
Unit 220 Fug.													
FUG 062													
Unit 221 Fug.													
FUG 063													
Unit 222 Fug.													
FUG 066													
Unit 232 Fug.													
FUG 067													
Unit 233 Fug.							< 0.01						
FUG 068													
Unit 234 Fug.													
FUG 069													
Unit 241 Fug.							< 0.01						
FUG 070													
Unit 243 Fug.													

## EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery

Activity Number: PER20060012

Permit Number: 3039-V0

Air - Title V Regular Permit Major Mod

### All phases

Lead compounds		Manganese (and compounds)			Mercury (and compounds)			Methanol			Naphthalene (and Methyl naphthalenes)		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	
EQT 220 53-08										0.01	0.01	0.03	
FUG 052 51-08													
FUG 053 Unit 205 Fug.													
FUG 054 Unit 205A Fug.													
FUG 055 Unit 210 Fug.													
FUG 056 Unit 211 Fug.													
FUG 057 Unit 212 Fug.													
FUG 058 Unit 212A Fug.													
FUG 059 Unit 214 Fug.													
FUG 060 Unit 215 Fug.													
FUG 061 Unit 220 Fug.													
FUG 062 Unit 221 Fug.													
FUG 063 Unit 222 Fug.													
FUG 066 Unit 232 Fug.													
FUG 067 Unit 233 Fug.													
FUG 068 Unit 234 Fug.													
FUG 069 Unit 241 Fug.													
FUG 070 Unit 243 Fug.													

## EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery

Activity Number: PER20060012

Permit Number: 3039-V0

Air - Title V Regular Permit Major Mod

All phases

Nickel (and compounds)		Polynuclear Aromatic Hydrocarbons		Selenium (and compounds)		Tetrachloroethylene		Toluene	
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 220									
53-08									
FUG 052									
51-08									
FUG 053									
Unit 205 Fug.									0.39
FUG 054									
Unit 205A Fug.									0.04
FUG 055									
Unit 210 Fug.									0.31
FUG 056									
Unit 211 Fug.									0.02
FUG 057									
Unit 212 Fug.									0.20
FUG 058									
Unit 212A Fug.									< 0.01
FUG 059									
Unit 214 Fug.									0.01
FUG 060									
Unit 215 Fug.									
FUG 061									
Unit 220 Fug.									
FUG 062									
Unit 221 Fug.									
FUG 063									
Unit 222 Fug.									
FUG 066									
Unit 232 Fug.									
FUG 067									
Unit 233 Fug.									
FUG 068									
Unit 234 Fug.									
FUG 069									
Unit 241 Fug.									
FUG 070									
Unit 243 Fug.									< 0.01

## EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

All ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery

Activity Number: PER20060012

Permit Number: 3039-V0

Air - Title V Regular Permit Major Mod

### All phases

Subject Item	Xylene (mixed isomers)			Zinc (and compounds)			n-Hexane		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 220 53-08									
FUG 052 51-08									
FUG 053 Unit 205 Fug.	0.49						0.15		
FUG 054 Unit 205A Fug.	0.07						0.03		
FUG 055 Unit 210 Fug.	0.37						0.14		
FUG 056 Unit 211 Fug.	0.03						0.01		
FUG 057 Unit 212 Fug.	0.25						0.10		
FUG 058 Unit 212A Fug.	< 0.01								
FUG 059 Unit 214 Fug.							0.21		
FUG 060 Unit 215 Fug.									
FUG 061 Unit 220 Fug.									
FUG 062 Unit 221 Fug.									
FUG 063 Unit 222 Fug.	0.01								
FUG 066 Unit 232 Fug.									
FUG 067 Unit 233 Fug.	0.01						0.01		
FUG 068 Unit 234 Fug.									
FUG 069 Unit 241 Fug.	< 0.01						< 0.01		
FUG 070 Unit 243 Fug.									

## EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery

Activity Number: PER20060012

Permit Number: 3039-V0

Air - Title V Regular Permit Major Mod

All phases

All phases		2,2,4-Trimethylpentane			Ammonia			Arsenic (and compounds)			Barium (and compounds)			Benzene		
Subject Item		Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
FUG 071																
Unit 247 Fug.																
FUG 072																
Unit 250 Fug.																
FUG 073																0.01
Unit 250A Fug.																
FUG 074																0.01
Unit 259 Fug.																
FUG 075															<	0.01
Unit 260 Fug.																
FUG 076																0.11
Unit 263 Fug.																
FUG 077															<	0.01
Unit 265 Fug.																
FUG 078																0.04
Unit 267 Fug.																
FUG 079															<	0.01
Unit 271 Fug.																
GRP 028	0.82		3.59		0.16		0.72									1.17
GME Fug																
GRP 029								12.37		54.18						
GME HBC																
GRP 030																
GME TOC																

## EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery

Activity Number: PER20060012

Permit Number: 3039-V0

Air - Title V Regular Permit Major Mod

### All phases

Beryllium (Table 51.1)		Cadmium (and compounds)			Chromium VI (and compounds)			Cobalt compounds			Copper (and compounds)				
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
FUG 071 Unit 24 Fug.															
FUG 072 Unit 250 Fug.															
FUG 073 Unit 250A Fug.															
FUG 074 Unit 259 Fug.															
FUG 075 Unit 260 Fug.															
FUG 076 Unit 263 Fug.															
FUG 077 Unit 265 Fug.															
FUG 078 Unit 267 Fug.															
FUG 079 Unit 271 Fug.															
GRP 028 GME FUG															
GRP 029 GME HBC															
GRP 030 GME TOC															

## EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery

Activity Number: PER20060012

Permit Number: 3039-V0

Air - Title V Regular Permit Major Mod

### All phases

Dichlorobenzene			Ethyl benzene			Formaldehyde			Hydrochloric acid			Hydrogen sulfide			
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
FUG 071 Unit 247 Fug.															0.12
FUG 072 Unit 250 Fug.															
FUG 073 Unit 250A Fug.					< 0.01										
FUG 074 Unit 259 Fug.					< 0.01										
FUG 075 Unit 260 Fug.					0.02										
FUG 076 Unit 263 Fug.					0.11										
FUG 077 Unit 265 Fug.					< 0.01										
FUG 078 Unit 267 Fug.					0.04										
FUG 079 Unit 271 Fug.					< 0.01										
GRP 028 GME FUG	0.47			2.06								0.54			2.38
GRP 029 GME HBC						0.06		0.26							
GRP 030 GME TOC												< 0.01			0.02

## EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery

Activity Number: PER20060012

Permit Number: 3039-V0

Air - Title V Regular Permit Major Mod

### All phases

Subject Item	Lead compounds			Manganese (and compounds)			Mercury (and compounds)			Methanol			Naphthalene (and Methyl napth alenes)		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
FUG 071 Unit 247 Fug.															
FUG 072 Unit 250 Fug.															
FUG 073 Unit 250A Fug.															
FUG 074 Unit 259 Fug.															
FUG 075 Unit 260 Fug.															
FUG 076 Unit 263 Fug.															
FUG 077 Unit 265 Fug.															
FUG 078 Unit 267 Fug.															
FUG 079 Unit 271 Fug.															
GRP 028 GME FUG															
GRP 029 GME HBC															
GRP 030 GME TOC															

## EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery

Activity Number: PER20060012

Permit Number: 3039-V0

Air - Title V Regular Permit Major Mod

### All phases

Nickel (and compounds)		Polynuclear Aromatic Hydrocar bons		Selenium (and compounds)		Tetrachloroethylene		Toluene	
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
FUG 071 Unit 247 Fug.									
FUG 072 Unit 250 Fug.									
FUG 073 Unit 250A Fug.									
FUG 074 Unit 259 Fug.									
FUG 075 Unit 260 Fug.									
FUG 076 Unit 263 Fug.									
FUG 077 Unit 265 Fug.									
FUG 078 Unit 267 Fug.									
FUG 079 Unit 271 Fug.									
GRP 028 GME FUG									
GRP 029 GME HBC									
GRP 030 GME TOC									

## EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery

Activity Number: PER20060012

Permit Number: 3039-V0

Air - Title V Regular Permit Major Mod

### All phases

Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
FUG 071 Unit 247 Fug.									
FUG 072 Unit 250 Fug.							<	0.01	
FUG 073 Unit 250A Fug.	< 0.01						<	0.01	
FUG 074 Unit 259 Fug.	0.03								
FUG 075 Unit 260 Fug.	0.06						0.02		
FUG 076 Unit 263 Fug.	0.48								
FUG 077 Unit 265 Fug.	< 0.01								
FUG 078 Unit 267 Fug.	0.17						0.06		
FUG 079 Unit 271 Fug.	0.02						<	0.01	
GRP 028 GME FUG	1.66		7.29				0.75		3.30
GRP 029 GME HBC									
GRP 030 GME TOC									

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals

### Permit Parameter Totals:

- ✓ 2,2,4-Trimethylpentane: 3.59 tons/yr
- ✓ Ammonia: 55.44 tons/yr
- ✓ Arsenic (and compounds): <0.01 tons/yr
- ✓ Barium (and compounds): <0.01 tons/yr
- ✓ Benzene: 1.18 tons/yr
- ✓ Beryllium (Table 51.1): <0.01 tons/yr
- ✓ Cadmium (and compounds): <0.01 tons/yr

## EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 3165 - Marathon Petroleum Co LLC - 1A Refining Division - Garyville Refinery

Activity Number: PER20060012

Permit Number: 3039-V0

Air - Title V Regular Permit Major Mod

### All phases

- ✓ Chromium VI (and compounds): <0.01 tons/yr
- ✓ Cobalt compounds: <0.01 tons/yr
- ✓ Copper (and compounds): <0.01 tons/yr
- ✓ Dichlorobenzene: <0.01 tons/yr
- ✓ Ethylbenzene: 2.07 tons/yr — 2.06
- ✓ Formaldehyde: 0.26 tons/yr
- ✓ Hydrochloric acid: 0.27 tons/yr
- ✓ Hydrogen sulfide: 2.55 tons/yr
- ✓ Lead compounds: <0.01 tons/yr
- ✓ Manganese (and compounds): <0.01 tons/yr
- ✓ Mercury (and compounds): <0.01 tons/yr
- ✓ Methanol: 1.60 tons/yr
- ✓ n-Hexane: 3.48 tons/yr
- ✓ Naphthalene: <0.01 tons/yr
- ✓ Nickel (and compounds): <0.01 tons/yr
- ✓ Polynuclear Aromatic Hydrocarbons: <0.01 tons/yr
- ✓ Selenium (and compounds): <0.01 tons/yr
- ✓ Tetrachloroethylene: 0.47 tons/yr
- ✓ Toluene: 5.51 tons/yr
- ✓ Xylene (mixed isomers): 7.30 tons/yr
- ✓ Zinc (and compounds): <0.01 tons/yr

### Emission Rates Notes:

## SPECIFIC REQUIREMENTS

AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery

Activity Number: PER20060012

Permit Number: 3039-V0

Air - Title V Regular Permit Major Mod

### EQT185 1-08, GME A Crude Heater

- 1 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1101.B]
- 2 Total suspended particulate <= 0.6 lb/MMBTU of heat input. [LAC 33:III.1313.C]
- 3 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]
- 4 Conduct a performance/emissions test. Due within 180 days after the startup of the unit. The stack test's purpose is to demonstrate compliance with the emission limits of this permit. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 7E - Determination of Nitrogen Oxides Emissions from Stationary Sources; Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources; Method 5 - Determination of Particulate Emissions from Stationary Sources; Method 6 - Determination of Sulfur Dioxide Emissions from Stationary Sources; and Method 25A or 25B - Determination of Total Gaseous Organic Concentration using a Flame Ionization Analyzer or Nondispersive Infrared Analyzer. Use alternate stack test methods only with the prior approval of the Office of Environmental Assessment, Environmental Technology Division, Engineering Services. As required by LAC 33:III.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits. Other methods in 40 CFR 60.106 may be utilized for the above referenced methods if applicable. If CEMS are installed then the permittee shall use appropriate Specifications of 40 CFR 60, Appendix B and Quality Assurance Procedures of 40 CFR 60, Appendix F to show compliance. [LAC 33:III.501.C.6]
- 5 Nitrogen dioxide <= 0.0125 lb/MMBTU. Equipped with Ultra Low NOX Burners (UNLB) and Selective Catalytic Reduction (SCR) added as voluntary control. [PSD-LA-719].
- 6 Which Months: All Year Statistical Basis: Hourly avg maximum
- 7 VOC, Total <= 0.0015 lb/MMBTU. [PSD-LA-719]. [LAC 33:III.509, 40 CFR 52.21]
- 8 Particulate matter (10 microns or less) <= 0.0075 lb/MMBTU with optimum burner design and utilization of refinery fuel gas. [PSD-LA-719]. [LAC 33:III.509, 40 CFR 52.21]
- 9 Hydrogen sulfide <= 25 ppmv. Sulfur content based on H2S. [PSD-LA-719]. [LAC 33:III.509, 40 CFR 52.21]
- 10 Fuel gas: Hydrogen sulfide <= 0.1 gr/dscf (230 mg/dscm) or less than 160 ppm on a three hour rolling average. Subpart J. [40 CFR 60.104(a)(1)]
- 11 Hydrogen sulfide monitored by continuous emission monitor (CEM) continuously. Monitor the H2S in fuel gases before being burned in any fuel gas combustion device. Subpart J. [40 CFR 60.105(a)(4)]
- 12 Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.106, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart J. [40 CFR 60.106(a)]
- 13 Determine compliance with standards using the test methods and procedures specified in 40 CFR 60.106(g) through (k). Subpart J. [40 CFR 60.106]
- 14 Shall comply with all the applicable requirements of reporting and recordkeeping as specified in 40 CFR 60.107. [40 CFR 60.107]
- 15 Comply with 40 CFR 63 Subpart DDDDD by November 12, 2004 or upon startup, whichever is later. Subpart DDDDD. [40 CFR 63.7495(a)]
- 16 Comply with 40 CFR 63 Subpart DDDDD upon startup. Subpart DDDDD. [40 CFR 63.7495(c)(1)]

## SPECIFIC REQUIREMENTS

AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery

Activity Number: PER20060012

Permit Number: 3039-V0

Air - Title V Regular Permit Major Mod

### **EQT185 1-08, GME A Crude Heater**

- 17 Carbon monoxide <= 400 ppmv (dry basis) corrected to 3% oxygen. Subpart DDDDD. [40 CFR 63.7500(a)(1)]  
Which Months: All Year Statistical Basis: None specified
- 18 Be in compliance with the emission limits (including operating limits) and work practice standards in 40 CFR 63 Subpart DDDDD at all times, except during periods of startup, shutdown, and malfunction. Subpart DDDDD. [40 CFR 63.7505(a)]
- 19 Demonstrate compliance with any applicable emission limit using performance testing. Fuel analysis may be used if the emission rate calculated according to 40 CFR 63.7530(d) is less than the applicable emission limit. Subpart DDDDD. [40 CFR 63.7505(c)]
- 20 Develop a site-specific monitoring plan according to the requirements in 40 CFR 63.7505(d)(1) through (d)(4). Subpart DDDDD. [40 CFR 63.7505(d)]
- 21 Develop and implement a written startup, shutdown and malfunction plan (SSMMP) according to the provisions in 40 CFR 63.6(e)(3). Subpart DDDDD. [40 CFR 63.7505(e)]
- 22 Demonstrate initial compliance with the promulgated emission limits and work practice standards no later than 180 days after startup. Subpart DDDDD. [40 CFR 63.7510(g)]
- 23 Carbon monoxide monitored by continuous emission monitor (CEM) continuously, according to the procedures in 40 CFR 63.7525(a)(1) through (a)(6) by the compliance date specified in 40 CFR 63.7495. Subpart DDDDD. [40 CFR 63.7525(a)]  
Which Months: All Year Statistical Basis: None specified
- 24 Report each instance in which emission limits, operating limits, and work practice standards in 40 CFR 63 Subpart DDDDD Tables 1 through 4 are not met; and each instance during a startup, shutdown or malfunction when emission limits, operating limits, and work practice standards are not met. Report according to the requirements in 40 CFR 63.7550. Subpart DDDDD. [40 CFR 63.7540(b)]
- 25 Submit compliance status report: Due semiannually, by the 31st of January and July. Submit the compliance report according to 40 CFR 63.7550(b)(1) through (b)(5). Include the information specified in 40 CFR 63.7550(c) through (e), as applicable. Subpart DDDDD. [40 CFR 63.7550]
- 26 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in 40 CFR 63.7555(a) through (e), as applicable. Subpart DDDDD. [40 CFR 63.7555]
- 27 Keep records in a form suitable and readily available for expedited review, according to 40 CFR 63.10(b)(1). Subpart DDDDD. [40 CFR 63.7560(a)]
- 28 Keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record and keep on site for at least 2 years, as specified in 40 CFR 63.10(b)(1). Subpart DDDDD. [40 CFR 63.7560]

### **EQT186 2-08, GME B Crude Heater**

- 29 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1101.B]  
Which Months: All Year Statistical Basis: None specified
- 30 Total suspended particulate <= 0.6 lb/MMBTU of heat input. [LAC 33:III.1313.C]  
Which Months: All Year Statistical Basis: None specified
- 31 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]

## SPECIFIC REQUIREMENTS

AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery

Activity Number: PER20060012

Permit Number: 3039-Y0

Air - Title V Regular Permit Major Mod

### EQT186 2-08, GME B Crude Heater

- 32 Conduct a performance/emissions test: Due within 180 days after the startup of the unit. The stack test's purpose is to demonstrate compliance with the emission limits of this Permit. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 7E - Determination of Nitrogen Oxides Emissions from Stationary Sources; Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources; Method 5 - Determination of Particulate Emissions from Stationary Sources; Method 6 - Determination of Sulfur Dioxide Emissions from Stationary Sources; and Method 25A or 25B - Determination of Total Gaseous Organic Concentration using a Flame Ionization Analyzer or Nondispersive Infrared Analyzer. Use alternate stack test methods only with the prior approval of the Office of Environmental Assessment, Environmental Technology Division, Engineering Services. As required by LAC 33:III.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits. Other methods in 40 CFR 60.106 may be utilized for the above referenced methods if applicable. If CEMS are installed then the permittee shall use appropriate Specifications of 40 CFR 60, Appendix B and Quality Assurance Procedures of 40 CFR 60, Appendix F to show compliance. [LAC 33:III.501.C.6]
- 33 Nitrogen dioxide <= 0.0125 lb/MMBTU. Equipped with Ultra Low NOX Burners (UNLB) and Selective Catalytic Reduction (SCR) added as voluntary control. [LAC 33:III.509, 40 CFR 52.21]
- Which Months: All Year Statistical Basis: Hourly avg maximum
- 34 Carbon monoxide <= 0.04 lb/MMBTU using refinery fuel gas. [PSD-LA-719]. [LAC 33:III.509, 40 CFR 52.21]
- Which Months: All Year Statistical Basis: Hourly avg maximum
- 35 VOC, Total <= 0.0015 lb/MMBTU. [PSD-LA-719]. [LAC 33:III.509, 40 CFR 52.21]
- Which Months: All Year Statistical Basis: Hourly avg maximum
- 36 Particulate matter (10 microns or less) <= 0.0075 lb/MMBTU with optimum burner design and utilization of refinery fuel gas. [PSD-LA-719]. [LAC 33:III.509, 40 CFR 52.21]
- Which Months: All Year Statistical Basis: Hourly avg maximum
- 37 Hydrogen sulfide <= 25 ppmv. [PSD-LA-719]. [LAC 33:III.509, 40 CFR 52.21]
- Which Months: All Year Statistical Basis: Annual average
- 38 Fuel gas: Hydrogen sulfide <= 0.1 gr/dscf (230 mg/dscm) or less than 160 ppm on a three hour rolling average. Subpart J. [40 CFR 60.104(a)(1)]
- Which Months: All Year Statistical Basis: Three-hour rolling average
- 39 Hydrogen sulfide monitored by continuous emission monitor (CEM) continuously. Monitor the H<sub>2</sub>S in fuel gases before being burned in any fuel gas combustion device. Subpart J. [40 CFR 60.105(a)(4)]
- Which Months: All Year Statistical Basis: None specified
- 40 Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.106, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart J. [40 CFR 60.106(a)]
- 41 Determine compliance with standards using the test methods and procedures specified in 40 CFR 60.106(a) through (k). Subpart J. [40 CFR 60.106]
- 42 Shall comply with all the applicable requirements of reporting and recordkeeping as specified in 40 CFR 60.107. [40 CFR 60.107]
- 43 Comply with 40 CFR 63 Subpart DDDDD by November 12, 2004 or upon startup, whichever is later. Subpart DDDDD. [40 CFR 63.7495(a)]
- 44 Comply with 40 CFR 63 Subpart DDDDD upon startup. Subpart DDDDD. [40 CFR 63.7495(c)(1)]
- 45 Carbon monoxide <= 400 ppmv (dry basis) corrected to 3% oxygen. Subpart DDDDD. [40 CFR 63.7500(a)(1)]
- Which Months: All Year Statistical Basis: None specified
- 46 Be in compliance with the emission limits (including operating limits) and work practice standards in 40 CFR 63 Subpart DDDDD at all times, except during periods of startup, shutdown, and malfunction. Subpart DDDDD. [40 CFR 63.7505(a)]
- 47 Demonstrate compliance with any applicable emission limit using performance testing. Fuel analysis may be used if the emission rate calculated according to 40 CFR 63.7530(d) is less than the applicable emission limit. Subpart DDDDD. [40 CFR 63.7505(c)]
- 48 Develop a site-specific monitoring plan according to the requirements in 40 CFR 63.7505(d)(1) through (d)(4). Subpart DDDDD. [40 CFR 63.7505(d)]

## SPECIFIC REQUIREMENTS

AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery

Activity Number: PER20060012

Permit Number: 3039-V0.

Air - Title V Regular Permit Major Mod

### EQT186 2-08, GME B Crude Heater

- 49 Develop and implement a written startup, shutdown and malfunction plan (SSMP) according to the provisions in 40 CFR 63.6(e)(3). Subpart DDDDD. [40 CFR 63.7505(e)]
- 50 Demonstrate initial compliance with the promulgated emission limits and work practice standards no later than 180 days after startup. Subpart DDDDD. [40 CFR 63.7510(g)]
- 51 Carbon monoxide monitored by continuous emission monitor (CEM) continuously, according to the procedures in 40 CFR 63.7525(a)(1) through (a)(6) by the compliance date specified in 40 CFR 63.7495. Subpart DDDDD. [40 CFR 63.7525(a)]  
Which Months: All Year Statistical Basis: None specified
- 52 Report each instance in which emission limits, operating limits, and work practice standards in 40 CFR 63 Subpart DDDDD Tables 1 through 4 are not met; and each instance during a startup, shutdown or malfunction when emission limits, operating limits, and work practice standards are not met. Report according to the requirements in 40 CFR 63.7550. Subpart DDDDD. [40 CFR 63.7540(b)]
- 53 Submit compliance status report: Due semiannually, by the 31st of January and July. Submit the compliance report according to 40 CFR 63.7550(b)(1) through (b)(5). Include the information specified in 40 CFR 63.7550(c) through (e), as applicable. Subpart DDDDD. [40 CFR 63.7550]
- 54 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in 40 CFR 63.7555(a) through (e), as applicable. Subpart DDDDD. [40 CFR 63.7555]
- 55 Keep records in a form suitable and readily available for expeditious review, according to 40 CFR 63.10(b)(1). Subpart DDDDD. [40 CFR 63.7560(a)]
- 56 Keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record and keep on site for at least 2 years, as specified in 40 CFR 63.10(b)(1). Subpart DDDDD. [40 CFR 63.7560]

### EQT187 3-08, GME A Vacuum Tower Heater

- 57 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lanceing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1101.B]  
Which Months: All Year Statistical Basis: None specified
- 58 Total suspended particulate <= 0.6 lb/MMBTU of heat input. [LAC 33:III.1313.C]  
Which Months: All Year Statistical Basis: None specified
- 59 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]
- 60 Conduct a performance/emissions test: Due within 180 days after the startup of the unit. The stack test's purpose is to demonstrate compliance with the emission limits of this permit. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 7E - Determination of Nitrogen Oxides Emissions from Stationary Sources; Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources; Method 5 - Determination of Particulate Emissions from Stationary Sources; Method 6 - Determination of Sulfur Dioxide Emissions from Stationary Sources; and Method 25A or 25B - Determination of Total Gaseous Organic Concentration using a Flame Ionization Analyzer or Nondispersive Infrared Analyzer. Use alternate stack test methods only with the prior approval of the Office of Environmental Assessment, Environmental Technology Division, Engineering Services. As required by LAC 33:III.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits. Other methods in 40 CFR 60.106 may be utilized for the above referenced methods if applicable. If CEMS are installed then the permittee shall use appropriate Specifications of 40 CFR 60, Appendix B and Quality Assurance Procedures of 40 CFR 60, Appendix F to show compliance. [LAC 33:III.501.C.6]
- 61 Carbon monoxide <= 0.04 lb/MMBTU using refinery fuel gas. [PSD-LA-719]. [LAC 33:III.509, 40 CFR 52.21]  
Which Months: All Year Statistical Basis: Hourly avg maximum
- 62 VOC, Total <= 0.0015 lb/MMBTU. [PSD-LS-719]. [LAC 33:III.509, 40 CFR 52.21]  
Which Months: All Year Statistical Basis: Hourly avg maximum

## SPECIFIC REQUIREMENTS

AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery

Activity Number: PER20060012

Permit Number: 3039-V0

Air - Title V Regular Permit Major Mod

### EQT187 3-08, GME A Vacuum Tower Heater

- 63 Particulate matter (10 microns or less) <= 0.0075 lb/MMBTU with optimum burner design and utilization of refinery fuel gas. [PSD-LA-719]. [LAC 33:III.509, 40 CFR 52.21]  
Which Months: All Year Statistical Basis: Hourly avg maximum
- 64 Hydrogen sulfide <= 25 ppmv. Sulfur content based on H2S. [PSD-LA-719]. [LAC 33:III.509, 40 CFR 52.21]  
Which Months: All Year Statistical Basis: Annual average
- 65 Nitrogen dioxide <= 0.0125 lb/MMBTU. Equipped with Ultra Low NOX Burners (UNLB) and Selective Catalytic Reduction (SCR) added as voluntary control. [PSD-LA-719]. [LAC 33:III.509, 40 CFR 52.21]  
Which Months: All Year Statistical Basis: Hourly avg maximum
- 66 Fuel gas: Hydrogen sulfide <= 0.1 gr/dscf (230 mg/dscm) or less than 160 ppm on a three hour rolling average. Subpart J. [40 CFR 60.104(a)(1)]  
Which Months: All Year Statistical Basis: Three-hour rolling average
- 67 Hydrogen sulfide monitored by continuous emission monitor (CEM) continuously. Monitor the H2S in fuel gases before being burned in any fuel gas combustion device.  
Subpart J. [40 CFR 60.105(a)(4)]  
Which Months: All Year Statistical Basis: None specified
- 68 Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.106, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart J. [40 CFR 60.106(a)]
- 69 Determine compliance with standards using the test methods and procedures specified in 40 CFR 60.106(a) through (k). Subpart J. [40 CFR 60.106]
- 70 Shall comply with all the applicable requirements of reporting and recordkeeping as specified in 40 CFR 60.107. [40 CFR 60.107]
- 71 Comply with 40 CFR 63 Subpart DDDDD by November 12, 2004 or upon startup, whichever is later. Subpart DDDDD. [40 CFR 63.7495(a)]
- 72 Comply with 40 CFR 63 Subpart DDDDD upon startup. Subpart DDDDD. [40 CFR 63.7495(c)(1)]
- 73 Carbon monoxide <= 400 ppmv (dry basis) corrected to 3% oxygen. Subpart DDDDD. [40 CFR 63.7500(a)(1)]  
Which Months: All Year Statistical Basis: None specified
- 74 Be in compliance with the emission limits (including operating limits) and work practice standards in 40 CFR 63 Subpart DDDDD at all times, except during periods of startup, shutdown, and malfunction. Subpart DDDDD. [40 CFR 63.7505(a)]
- 75 Demonstrate compliance with any applicable emission limit using performance testing. Fuel analysis may be used if the emission rate calculated according to 40 CFR 63.7530(d) is less than the applicable emission limit. Subpart DDDDD. [40 CFR 63.7505(c)]
- 76 Develop a site-specific monitoring plan according to the requirements in 40 CFR 63.7505(d)(1) through (d)(4). Subpart DDDDD. [40 CFR 63.7505(d)]
- 77 Develop and implement a written startup, shutdown and malfunction plan (SSMP) according to the provisions in 40 CFR 63.6(e)(3). Subpart DDDDD. [40 CFR 63.7505(e)]
- 78 Demonstrate initial compliance with the promulgated emission limits and work practice standards no later than 180 days after startup. Subpart DDDDD. [40 CFR 63.7510(g)]
- 79 Carbon monoxide monitored by continuous emission monitor (CEM) continuously, according to the procedures in 40 CFR 63.7525(a)(1) through (a)(6) by the compliance date specified in 40 CFR 63.7495. Subpart DDDDD. [40 CFR 63.7525(a)]  
Which Months: All Year Statistical Basis: None specified
- 80 Report each instance in which emission limits, operating limits, and work practice standards in 40 CFR 63 Subpart DDDDD Tables 1 through 4 are not met, and each instance during a startup, shutdown or malfunction when emission limits, operating limits, and work practice standards are not met. Report according to the requirements in 40 CFR 63.7550. Subpart DDDDD. [40 CFR 63.7540(b)]
- 81 Submit compliance status report: Due semiannually, by the 31st of January and July. Submit the compliance report according to 40 CFR 63.7550(b)(1) through (b)(5). Include the information specified in 40 CFR 63.7550(c) through (e), as applicable. Subpart DDDDD. [40 CFR 63.7550]
- 82 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in 40 CFR 63.7555(a) through (e), as applicable. Subpart DDDDD. [40 CFR 63.7555]
- 83 Keep records in a form suitable and readily available for expedited review, according to 40 CFR 63.10(b)(1). Subpart DDDDD. [40 CFR 63.7560(a)]

## SPECIFIC REQUIREMENTS

AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery

Activity Number: PER20060012

Permit Number: 3039-V0

Air - Title V Regular Permit Major Mod

### EQT187 3-08, GME A Vacuum Tower Heater

84 Keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record and keep on site for at least 2 years, as specified in 40 CFR 63.10(b)(1). Subpart DDDDD. [40 CFR 63.7560]

### EQT188 4-08, GME B Vacuum Tower Heater

85 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1101.B]

Which Months: All Year Statistical Basis: None specified

86 Total suspended particulate <= 0.6 lb/MMBTU of heat input. [LAC 33:III.1313.C]

Which Months: All Year Statistical Basis: None specified

87 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]

88 Conduct a performance/emissions test. Due within 180 days after the startup of the unit. The stack test's purpose is to demonstrate compliance with the emission limits of this permit. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 7E - Determination of Nitrogen Oxides Emissions from Stationary Sources; Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources; Method 5 - Determination of Particulate Emissions from Stationary Sources; Method 6 - Determination of Sulfur Dioxide Emissions from Stationary Sources; and Method 25A or 25B - Determination of Total Gaseous Organic Concentration using a Flame Ionization Analyzer or Nondispersive Infrared Analyzer. Use alternate stack test methods only with the prior approval of the Office of Environmental Assessment, Environmental Technology Division, Engineering Services. As required by LAC 33:III.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits. Other methods in 40 CFR 60.106 may be utilized for the above referenced methods if applicable. If CEMS are installed then the permittee shall use appropriate Specifications of 40 CFR 60, Appendix B and Quality Assurance Procedures of 40 CFR 60, Appendix F to show compliance. [LAC 33:III.501.C.6]

89 Carbon monoxide <= 0.04 lb/MMBTU using refinery fuel gas. [PSD-LA-719]. [LAC 33:III.509, 40 CFR 52.21]

Which Months: All Year Statistical Basis: Hourly avg maximum

90 VOC, Total <= 0.0015 lb/MMBTU. [PSD-LA-719]. [LAC 33:III.509, 40 CFR 52.21]

Which Months: All Year Statistical Basis: Hourly avg maximum

91 Particulate matter (10 microns or less) <= 0.0075 lb/MMBTU with optimum burner design and utilization of refinery fuel gas. [PSD-LA-719]. [LAC 33:III.509, 40 CFR 52.21]

Which Months: All Year Statistical Basis: Hourly avg maximum

92 Hydrogen sulfide <= 25 ppmv. Sulfur content based on H2S. [PSD-LA-719]. [LAC 33:III.509, 40 CFR 52.21]

Which Months: All Year Statistical Basis: Annual average

93 Nitrogen dioxide <= 0.0125 lb/MMBTU. Equipped with Ultra Low NOX Burners (UNLB) and Selective Catalytic Reduction (SCR) added as voluntary control. [PSD-LA-719]. [LAC 33:III.509, 40 CFR 52.21]

Which Months: All Year Statistical Basis: Hourly avg maximum

94 Fuel gas: Hydrogen sulfide <= 0.1 gr/dscf (230 mg/dscm) or less than 160 ppm on a three hour rolling average. Subpart I. [40 CFR 60.104(a)(1)]

Which Months: All Year Statistical Basis: Three-hour rolling average

95 Hydrogen sulfide monitored by continuous emission monitor (CEM) continuously. Monitor the H2S in fuel gases before being burned in any fuel gas combustion device. Subpart J. [40 CFR 60.105(a)(4)]

Which Months: All Year Statistical Basis: None specified

96 Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.106, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart J. [40 CFR 60.106(a)]

## SPECIFIC REQUIREMENTS

AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery

Activity Number: PER20060012

Permit Number: 3039-V0

Air - Title V Regular Permit Major Mod

### **EQT188 4-08, GME B Vacuum Tower Heater**

- 97 Determine compliance with standards using the test methods and procedures specified in 40 CFR 60.106(a) through (k). Subpart J. [40 CFR 60.106]
- 98 Shall comply with all the applicable requirements of reporting and recordkeeping as specified in 40 CFR 60.107. [40 CFR 60.107]
- 99 Comply with 40 CFR 63 Subpart DDDDD by November 12, 2004 or upon startup, whichever is later. Subpart DDDDD. [40 CFR 63.7495(a)]
- 100 Comply with 40 CFR 63 Subpart DDDDD upon startup. Subpart DDDDD. [40 CFR 63.7495(c)(1)]
- 101 Carbon monoxide <= 400 ppmv (dry basis) corrected to 3% oxygen. Subpart DDDDD. [40 CFR 63.7500(a)(1)]
- 102 Be in compliance with the emission limits (including operating limits) and work practice standards in 40 CFR 63 Subpart DDDDD at all times, except during periods of startup, shutdown, and malfunction. Subpart DDDDD. [40 CFR 63.7505(a)]
- 103 Demonstrate compliance with any applicable emission limit using performance testing. Fuel analysis may be used if the emission rate calculated according to 40 CFR 63.7530(d) is less than the applicable emission limit. Subpart DDDDD. [40 CFR 63.7505(c)]
- 104 Develop a site-specific monitoring plan according to the requirements in 40 CFR 63.7505(d)(1) through (d)(4). Subpart DDDDD. [40 CFR 63.7505(d)]
- 105 Develop and implement a written startup, shutdown and malfunction plan (SSMP) according to the provisions in 40 CFR 63.6(e)(3). Subpart DDDDD. [40 CFR 63.7505(e)]
- 106 Demonstrate initial compliance with the promulgated emission limits and work practice standards no later than 180 days after startup. Subpart DDDDD. [40 CFR 63.7510(g)]
- 107 Carbon monoxide monitored by continuous emission monitor (CEM) continuously, according to the procedures in 40 CFR 63.7525(a)(1) through (a)(6) by the compliance date specified in 40 CFR 63.7495. Subpart DDDDD. [40 CFR 63.7525(a)]
- Which Months: All Year Statistical Basis: None specified
- 108 Report each instance in which emission limits, operating limits, and work practice standards in 40 CFR 63 Subpart DDDDD Tables 1 through 4 are not met; and each instance during a startup, shutdown or malfunction when emission limits, operating limits, and work practice standards are not met. Report according to the requirements in 40 CFR 63.7550. Subpart DDDDD. [40 CFR 63.7540(b)]
- 109 Submit compliance status report: Due semiannually, by the 31st of January and July. Submit the compliance report according to 40 CFR 63.7550(b)(1) through (b)(5). Include the information specified in 40 CFR 63.7550(c) through (e), as applicable. Subpart DDDDD. [40 CFR 63.7550]
- 110 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in 40 CFR 63.7555(a) through (e), as applicable. Subpart DDDDD. [40 CFR 63.7555]
- 111 Keep records in a form suitable and readily available for expeditious review, according to 40 CFR 63.10(b)(1). Subpart DDDDD. [40 CFR 63.7560(a)]
- 112 Keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record and keep on site for at least 2 years, as specified in 40 CFR 63.10(b)(1). Subpart DDDDD. [40 CFR 63.7560]

### **EQT189 5-08, GME Naphtha Hydrotreater Reactor Charge Heater**

- 113 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1101.B]
- Which Months: All Year Statistical Basis: None specified
- 114 Total suspended particulate <= 0.6 lb/MMBTU of heat input. [LAC 33:III.1313.C]
- Which Months: All Year Statistical Basis: None specified
- 115 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]

## SPECIFIC REQUIREMENTS

AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery

Activity Number: PER20060012

Permit Number: 3039-V0

Air - Title V Regular Permit Major Mod

### EQT189 5-08, GME Naphtha Hydroreacter Reactor Charge Heater

- 116 Conduct a performance/emissions test: Due within 180 days after the startup of the unit. The stack test's purpose is to demonstrate compliance with the emission limits of this permit. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 7E - Determination of Nitrogen Oxides Emissions from Stationary Sources; Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources; Method 5 - Determination of Particulate Emissions from Stationary Sources; Method 6 - Determination of Sulfur Dioxide Emissions from Stationary Sources; and Method 25A or 25B - Determination of Total Gaseous Organic Concentration using a Flame Ionization Analyzer or Nondispersive Infrared Analyzer. Use alternate stack test methods only with the prior approval of the Office of Environmental Assessment, Environmental Technology Division, Engineering Services. As required by LAC 33:III.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits. Other methods in 40 CFR 60.106 may be utilized for the above referenced methods if applicable. If CEMS are installed then the permittee shall use appropriate Specifications of 40 CFR 60, Appendix B and Quality Assurance Procedures of 40 CFR 60, Appendix F to show compliance. [LAC 33:III.501.C.6]
- 117 Nitrogen dioxide <= 0.03 lb/MMBTU. Equipped with Ultra Low NOX Burners (UNLB) without air preheat. [PSD-LA-719]. [LAC 33:III.509, 40 CFR 52.21]
- Which Months: All Year Statistical Basis: Hourly avg maximum
- 118 Carbon monoxide <= 0.04 lb/MMBTU using refinery fuel gas. [PSD-LA-719]. [LAC 33:III.509, 40 CFR 52.21]
- Which Months: All Year Statistical Basis: Hourly avg maximum
- 119 VOC, Total <= 0.0015 lb/MMBTU. [PSD-LA-719]. [LAC 33:III.509, 40 CFR 52.21]
- Which Months: All Year Statistical Basis: Hourly avg maximum
- 120 Particulate matter (10 microns or less) <= 0.0075 lb/MMBTU with optimum burner design and utilization of refinery fuel gas. [PSD-LA-719]. [LAC 33:III.509, 40 CFR 52.21]
- Which Months: All Year Statistical Basis: Hourly avg maximum
- 121 Hydrogen sulfide <= 25 ppmv. Sulfur content based on H2S. [PSD-LA-719]. [LAC 33:III.509, 40 CFR 52.21]
- Which Months: All Year Statistical Basis: Annual average
- 122 Fuel gas: Hydrogen sulfide <= 0.1 gridscf (230 mg/dscm) or less than 160 ppm on a three hour rolling average. Subpart J. [40 CFR 60.104(a)(1)]
- Which Months: All Year Statistical Basis: Three-hour rolling average
- 123 Hydrogen sulfide monitored by continuous emission monitor (CEM) continuously. Monitor the H2S in fuel gases before being burned in any fuel gas combustion device. Subpart J. [40 CFR 60.105(a)(4)]
- Which Months: All Year Statistical Basis: None specified
- 124 Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.106, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart J. [40 CFR 60.106(a)]
- 125 Determine compliance with standards using the test methods and procedures specified in 40 CFR 60.106(a) through (k). Subpart J. [40 CFR 60.106]
- 126 Shall comply with all the applicable requirements of reporting and recordkeeping as specified in 40 CFR 60.107. [40 CFR 60.107]
- 127 Comply with 40 CFR 63 Subpart DDDDD by November 12, 2004 or upon startup, whichever is later. Subpart DDDDD. [40 CFR 63.7495(a)]
- 128 Comply with 40 CFR 63 Subpart DDDDD upon startup. Subpart DDDDD. [40 CFR 63.7495(c)(1)]
- 129 Carbon monoxide <= 400 ppmv (dry basis) corrected to 3% oxygen. Subpart DDDDD. [40 CFR 63.7500(a)(1)]
- 130 Be in compliance with the emission limits (including operating limits) and work practice standards in 40 CFR 63 Subpart DDDDD at all times, except during periods of startup, shutdown, and malfunction. Subpart DDDDD. [40 CFR 63.7505(a)]
- 131 Demonstrate compliance with any applicable emission limit using performance testing. Fuel analysis may be used if the emission rate calculated according to 40 CFR 63.7530(d) is less than the applicable emission limit. Subpart DDDDD. [40 CFR 63.7505(c)]
- 132 Develop a site-specific monitoring plan according to the requirements in 40 CFR 63.7505(d)(1) through (d)(4). Subpart DDDDD. [40 CFR 63.7505(d)]
- 133 Develop and implement a written startup, shutdown and malfunction plan (SSMP) according to the provisions in 40 CFR 63.6(e)(3). Subpart DDDDD. [40 CFR 63.7505(e)]

## SPECIFIC REQUIREMENTS

AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery

Activity Number: PER20060012

Permit Number: 3039-V0

Air - Title V Regular Permit Major Mod

### EQT189      5-08, GME Naphtha Hydrotreater Reactor Charge Heater

- 134 Demonstrate initial compliance with the promulgated emission limits and work practice standards no later than 180 days after startup. Subpart DDDDD. [40 CFR 63.7510(g)]  
135 Report each instance in which emission limits, operating limits, and work practice standards in 40 CFR 63 Subpart DDDDD Tables 1 through 4 are not met; and each instance during a startup, shutdown or malfunction when emission limits, operating limits, and work practice standards are not met. Report according to the requirements in 40 CFR 63.7550. Subpart DDDDD. [40 CFR 63.7540(b)]  
136 Submit compliance status report. Due semiannually, by the 31st of January and July. Submit the compliance report according to 40 CFR 63.7550(b)(1) through (b)(5). Include the information specified in 40 CFR 63.7550(c) through (e), as applicable. Subpart DDDDD. [40 CFR 63.7550]  
137 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in 40 CFR 63.7555(a) through (e), as applicable. Subpart DDDDD. [40 CFR 63.7555]  
138 Keep records in a form suitable and readily available for expeditious review, according to 40 CFR 63.10(b)(1). Subpart DDDDD. [40 CFR 63.7560(a)]  
139 Keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record and keep on site for at least 2 years, as specified in 40 CFR 63.10(b)(1). Subpart DDDDD. [40 CFR 63.7560]

### EQT190      6-08, GME Naphtha Hydrotreater Stripper Reboiler Heater

- 140 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1101.B]  
Which Months: All Year   Statistical Basis: None specified  
141 Total suspended particulate <= 0.6 lb/MMBTU of heat input. [LAC 33:III.1313.C]  
Which Months: All Year   Statistical Basis: None specified  
142 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]  
143 Conduct a performance/emissions test: Due within 180 days after the startup of the unit. The stack test's purpose is to demonstrate compliance with the emission limits of this permit. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 7E - Determination of Nitrogen Oxides Emissions from Stationary Sources; Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources; Method 5 - Determination of Particulate Emissions from Stationary Sources; Method 6 - Determination of Sulfur Dioxide Emissions from Stationary Sources; and Method 25A or 25B - Determination of Total Gaseous Organic Concentration using a Flame Ionization Analyzer or Nondispersive Infrared Analyzer. Use alternate stack test methods only with the prior approval of the Office of Environmental Assessment, Environmental Technology Division, Engineering Services. As required by LAC 33:III.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits. Other methods in 40 CFR 60.106 may be utilized for the above referenced methods if applicable. If CEMS are installed then the permittee shall use appropriate Specifications of 40 CFR 60, Appendix B and Quality Assurance Procedures of 40 CFR 60, Appendix F to show compliance. [LAC 33:III.501.C.6]  
144 Nitrogen dioxide <= 0.03 lb/MMBTU. Equipped with Ultra Low NOX Burners (UNLB) without air preheat. [PSD-LA-719]. [LAC 33:III.509, 40 CFR 52.21]  
Which Months: All Year   Statistical Basis: Hourly avg maximum  
145 Carbon monoxide <= 0.04 lb/MMBTU using refinery fuel gas. [PSD-LA-719]. [LAC 33:III.509, 40 CFR 52.21]  
Which Months: All Year   Statistical Basis: Hourly avg maximum  
146 VOC, Total <= 0.0015 lb/MMBTU. [PSD-LA-719]. [LAC 33:III.509, 40 CFR 52.21]  
Which Months: All Year   Statistical Basis: Hourly avg maximum  
147 Particulate matter (10 microns or less) <= 0.0075 lb/MMBTU with optimum burner design and utilization of refinery fuel gas. [PSD-LA-719]. [LAC 33:III.509, 40 CFR 52.21]  
Which Months: All Year   Statistical Basis: Hourly avg maximum

## SPECIFIC REQUIREMENTS

AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery

Activity Number: PER20060012

Permit Number: 3039-V0

Air - Title V Regular Permit Major Mod

### EQT190 6-08, GME Naphtha Hydrotreater Stripper Reboiler Heater

148 Hydrogen sulfide <= 25 ppmv. Sulfur content based on H2S. [PSD-LA-719]. [LAC 33:III.509, 40 CFR 52.21]

Which Months: All Year Statistical Basis: Annual average

149 Fuel gas: Hydrogen sulfide <= 0.1 gr/dscf (230 mg/dscm) or less than 160 ppm on a three hour rolling average. Subpart J. [40 CFR 60.104(a)(1)]

Which Months: All Year Statistical Basis: Three-hour rolling average

150 Hydrogen sulfide monitored by continuous emission monitor (CEM) continuously. Monitor the H2S in fuel gases before being burned in any fuel gas combustion device. Subpart J. [40 CFR 60.105(a)(4)]

Which Months: All Year Statistical Basis: None specified

151 Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.106, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart J. [40 CFR 60.106(a)]

152 Determine compliance with standards using the test methods and procedures specified in 40 CFR 60.106(a) through (k). Subpart J. [40 CFR 60.106]

153 Shall comply with all the applicable requirements of reporting and recordkeeping as specified in 40 CFR 60.107. [40 CFR 60.107]

154 Comply with 40 CFR 63 Subpart DDDDD by November 12, 2004 or upon startup, whichever is later. Subpart DDDDD. [40 CFR 63.7495(a)]

155 Comply with 40 CFR 63 Subpart DDDDD upon startup. Subpart DDDDD. [40 CFR 63.7495(c)(1)]

156 Carbon monoxide <= 400 ppmv (dry basis) corrected to 3% oxygen. Subpart DDDDD. [40 CFR 63.7500(a)(1)]

Which Months: All Year Statistical Basis: None specified

157 Be in compliance with the emission limits (including operating limits) and work practice standards in 40 CFR 63 Subpart DDDDD at all times, except during periods of startup, shutdown, and malfunction. Subpart DDDDD. [40 CFR 63.7505(a)]

158 Demonstrate compliance with any applicable emission limit using performance testing. Fuel analysis may be used if the emission rate calculated according to 40 CFR 63.7530(d) is less than the applicable emission limit. Subpart DDDDD. [40 CFR 63.7505(c)]

159 Develop a site-specific monitoring plan according to the requirements in 40 CFR 63.7505(d)(1) through (d)(4). Subpart DDDDD. [40 CFR 63.7505(d)]

160 Develop and implement a written startup, shutdown and malfunction plan (SSMP) according to the provisions in 40 CFR 63.6(e)(3). Subpart DDDDD. [40 CFR 63.7505(e)]

161 Demonstrate initial compliance with the promulgated emission limits and work practice standards no later than 180 days after startup. Subpart DDDDD. [40 CFR 63.7510(g)]

162 Carbon monoxide monitored by continuous emission monitor (CEM) continuously, according to the procedures in 40 CFR 63.7525(a)(1) through (a)(6) by the compliance date specified in 40 CFR 63.7495. Subpart DDDDD. [40 CFR 63.7525(a)]

Which Months: All Year Statistical Basis: None specified

163 Report each instance in which emission limits, operating limits, and work practice standards in 40 CFR 63 Subpart DDDDD Tables 1 through 4 are not met; and each instance during a startup, shutdown or malfunction when emission limits, operating limits, and work practice standards are not met. Report according to the requirements in 40 CFR 63.7550. Subpart DDDDD. [40 CFR 63.7540(b)]

164 Submit compliance status report: Due semiannually, by the 31st of January and July. Submit the compliance report according to 40 CFR 63.7550(b)(1) through (b)(5). Include the information specified in 40 CFR 63.7550(c) through (e), as applicable. Subpart DDDDD. [40 CFR 63.7550]

165 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in 40 CFR 63.7555(a) through (e), as applicable. Subpart DDDDD. [40 CFR 63.7555]

166 Keep records in a form suitable and readily available for expeditious review, according to 40 CFR 63.10(b)(1). Subpart DDDDD. [40 CFR 63.7560(a)]

167 Keep each record for 5 years following the date of each occurrence, measurement, corrective action, report, or record and keep on site for at least 2 years, as specified in 40 CFR 63.10(b)(1). Subpart DDDDD. [40 CFR 63.7560]

### EQT191 7A-08, GME Platformer Heater Cell No. 1

## SPECIFIC REQUIREMENTS

AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery

Activity Number: PER20060012

Permit Number: 3039-V0

Air - Title V Regular Permit Major Mod

### EQT191 7A-08, GME Platformer Heater Cell No. 1

- 168 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1101.B]
- Which Months: All Year Statistical Basis: None specified
- 169 Total suspended particulate <= 0.6 lb/MMBTU of heat input. [LAC 33:III.1313.C]
- Which Months: All Year Statistical Basis: None specified
- 170 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]
- 171 Conduct a performance/emissions test. Due within 180 days after the startup of the unit. The stack test's purpose is to demonstrate compliance with the emission limits of this permit. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 7E - Determination of Nitrogen Oxides Emissions from Stationary Sources; Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources; Method 5 - Determination of Particulate Emissions from Stationary Sources; Method 6 - Determination of Sulfur Dioxide Emissions from Stationary Sources; and Method 25A or 25B - Determination of Total Gaseous Organic Concentration using a Flame Ionization Analyzer or Nondispersive Infrared Analyzer. Use alternate stack test methods only with the prior approval of the Office of Environmental Assessment, Environmental Technology Division, Engineering Services. As required by LAC 33:III.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits. Other methods in 40 CFR 60.106 may be utilized for the above referenced methods if applicable. If CEMS are installed then the permittee shall use appropriate Specifications of 40 CFR 60, Appendix B and Quality Assurance Procedures of 40 CFR 60, Appendix F to show compliance. [LAC 33:III.501.C.6]
- 172 Nitrogen dioxide <= 0.03 lb/MMBTU. Equipped with Ultra Low NOX Burners (UNLB) without air preheat. [PSD-LA-719]. [LAC 33:III.509, 40 CFR 52.21]
- Which Months: All Year Statistical Basis: Hourly avg maximum.
- 173 Carbon monoxide <= 0.04 lb/MMBTU using refinery fuel gas. [PSD-LA-719]. [LAC 33:III.509, 40 CFR 52.21]
- Which Months: All Year Statistical Basis: Hourly avg maximum.
- 174 VOC, Total <= 0.0015 lb/MMBTU. [PSD-LA-719]. [LAC 33:III.509, 40 CFR 52.21]
- Which Months: All Year Statistical Basis: Hourly avg maximum.
- 175 Particulate matter (10 microns or less) <= 0.0075 lb/MMBTU with optimum burner design and utilization of refinery fuel gas. [PSD-LA-719]. [LAC 33:III.509, 40 CFR 52.21]
- Which Months: All Year Statistical Basis: Hourly avg maximum.
- 176 Hydrogen sulfide <= 25 ppmv. Sulfur content based on H2S. [PSD-LA-719]. [LAC 33:III.509, 40 CFR 52.21]
- Which Months: All Year Statistical Basis: Annual average
- 177 Fuel gas: Hydrogen sulfide <= 0.1 gr/dscf (230 mg/dscm) or less than 160 ppm on a three hour rolling average. Subpart J. [40 CFR 60.104(a)(1)]
- Which Months: All Year Statistical Basis: Three-hour rolling average
- 178 Hydrogen sulfide monitored by continuous emission monitor (CEM) continuously. Monitor the H2S in fuel gases before being burned in any fuel gas combustion device. Subpart J. [40 CFR 60.105(a)(4)]
- Which Months: All Year Statistical Basis: None specified
- 179 Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.106, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart J. [40 CFR 60.106(a)]
- 180 Determine compliance with standards using the test methods and procedures specified in 40 CFR 60.106(a) through (k). Subpart J. [40 CFR 60.106]
- 181 Shall comply with all the applicable requirements of reporting and recordkeeping as specified in 40 CFR 60.107. [40 CFR 60.107]
- 182 Comply with 40 CFR 63 Subpart DDDDD by November 12, 2004 or upon startup, whichever is later. Subpart DDDDD. [40 CFR 63.7495(a)]
- 183 Comply with 40 CFR 63 Subpart DDDDD upon startup. Subpart DDDDD. [40 CFR 63.7495(c)(1)]

## SPECIFIC REQUIREMENTS

All ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery

Activity Number: PER200060012

Permit Number: 3039-V0

Air - Title V Regular Permit Major Mod

### EQT191 7A-08, GME Platformer Heater Cell No. 1

184 Carbon monoxide <= 400 ppmv (dry basis) corrected to 3% oxygen. Subpart DDDDD. [40 CFR 63.7500(a)(1)]

Which Months: All Year Statistical Basis: None specified

185 Be in compliance with the emission limits (including operating limits) and work practice standards in 40 CFR 63 Subpart DDDDD at all times, except during periods of startup, shutdown, and malfunction. Subpart DDDDD. [40 CFR 63.7505(a)]

186 Demonstrate compliance with any applicable emission limit using performance testing. Fuel analysis may be used if the emission rate calculated according to 40 CFR 63.7530(d) is less than the applicable emission limit. Subpart DDDDD. [40 CFR 63.7505(c)]

187 Develop a site-specific monitoring plan according to the requirements in 40 CFR 63.7505(d)(1) through (d)(4). Subpart DDDDD. [40 CFR 63.7505(d)]

188 Develop and implement a written startup, shutdown and malfunction plan (SSMP) according to the provisions in 40 CFR 63.6(e)(3). Subpart DDDDD. [40 CFR 63.7505(e)]

189 Demonstrate initial compliance with the promulgated emission limits and work practice standards no later than 180 days after startup. Subpart DDDDD. [40 CFR 63.7510(g)]

190 Carbon monoxide monitored by continuous emission monitor (CEM) continuously, according to the procedures in 40 CFR 63.7525(a)(1) through (a)(6) by the compliance date specified in 40 CFR 63.7495. Subpart DDDDD. [40 CFR 63.7525(a)]

Which Months: All Year Statistical Basis: None specified

191 Report each instance in which emission limits, operating limits, and work practice standards in 40 CFR 63 Subpart DDDDD Tables 1 through 4 are not met; and each instance during a startup, shutdown or malfunction when emission limits, operating limits, and work practice standards are not met. Report according to the requirements in 40 CFR 63.7550. Subpart DDDDD. [40 CFR 63.7540(b)]

192 Submit compliance status report: Due semiannually, by the 31st of January and July. Submit the compliance report according to 40 CFR 63.7550(b)(1) through (b)(5). Include the information specified in 40 CFR 63.7550(c) through (e), as applicable. Subpart DDDDD. [40 CFR 63.7550]

193 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in 40 CFR 63.7555(a) through (e), as applicable. Subpart DDDDD. [40 CFR 63.7555]

194 Keep records in a form suitable and readily available for expeditious review, according to 40 CFR 63.10(b)(1). Subpart DDDDD. [40 CFR 63.7560(a)]

195 Keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record and keep on site for at least 2 years, as specified in 40 CFR 63.10(b)(1). Subpart DDDDD. [40 CFR 63.7560]

### EQT192 7B-08, GME Platformer Heater Cell No. 2

196 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1.101.B]

Which Months: All Year Statistical Basis: None specified

197 Total suspended particulate <= 0.6 lb/MMBTU of heat input. [LAC 33:III.1313.C]

Which Months: All Year Statistical Basis: None specified

198 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:II.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]

## SPECIFIC REQUIREMENTS

AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery

Activity Number: PER20060012

Permit Number: 3039-V0

Air - Title V Regular Permit Major Mod

### EQT192 7B-08, GME Platformer Heater Cell No. 2

199 Conduct a performance/emissions test. Due within 180 days after the startup of the unit. The stack test's purpose is to demonstrate compliance with the emission limits of this permit. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 7E - Determination of Nitrogen Oxides Emissions from Stationary Sources; Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources; Method 5 - Determination of Particulate Emissions from Stationary Sources; Method 6 - Determination of Sulfur Dioxide Emissions from Stationary Sources; and Method 25A or 25B - Determination of Total Gaseous Organic Concentration using a Flame Ionization Analyzer or Nondispersive Infrared Analyzer. Use alternate stack test methods only with the prior approval of the Office of Environmental Assessment, Environmental Technology Division, Engineering Services. As required by LAC 33:III.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits. Other methods in 40 CFR 60.106 may be utilized for the above referenced methods if applicable. If CEMS are installed then the permittee shall use appropriate Specifications of 40 CFR 60, Appendix B and Quality Assurance Procedures of 40 CFR 60, Appendix F to show compliance. [LAC 33:III.501.C.6]

200 Nitrogen dioxide <= 0.03 lb/MMBTU. Equipped with Ultra Low NOX Burners (UNLB) without air preheat. [PSD-LA-719]. [LAC 33:III.509, 40 CFR 52.21]

Which Months: All Year Statistical Basis: Hourly avg maximum.

201 Carbon monoxide <= 0.04 lb/MMBTU using refinery fuel gas. [PSD-LA-719]. [LAC 33:III.509, 40 CFR 52.21]

Which Months: All Year Statistical Basis: Hourly avg maximum.

202 VOC, Total <= 0.0015 lb/MMBTU. [PSD-LA-719]. [LAC 33:III.509, 40 CFR 52.21]

Which Months: All Year Statistical Basis: Hourly avg maximum.

203 Particulate matter (10 microns or less) <= 0.0075 lb/MMBTU with optimum burner design and utilization of refinery fuel gas. [PSD-LA-719]. [LAC 33:III.509, 40 CFR 52.21]

Which Months: All Year Statistical Basis: Hourly avg maximum.

204 Hydrogen sulfide <= 25 ppmv. Sulfur content based on H2S. [PSD-LA-719]. [LAC 33:III.509, 40 CFR 52.21]

Which Months: All Year Statistical Basis: Annual average.

205 Fuel gas: Hydrogen sulfide <= 0.1 gridscf (230 mg/dscm) or less than 160 ppm on a three hour rolling average. Subpart J. [40 CFR 60.104(a)(1)]

Which Months: All Year Statistical Basis: Three-hour rolling average.

206 Hydrogen sulfide monitored by continuous emission monitor (CEM) continuously. Monitor the H2S in fuel gases before being burned in any fuel gas combustion device. Subpart J. [40 CFR 60.105(a)(4)]

Which Months: All Year Statistical Basis: None specified

207 Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.106, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart J. [40 CFR 60.106(a)]

208 Determine compliance with standards using the test methods and procedures specified in 40 CFR 60.106(a) through (k). Subpart J. [40 CFR 60.106]

209 Shall comply with all the applicable requirements of reporting and recordkeeping as specified in 40 CFR 60.107. [40 CFR 60.107]

210 Comply with 40 CFR 63 Subpart DDDDD by November 12, 2004 or upon startup, whichever is later. Subpart DDDDD. [40 CFR 63.7495(a)]

211 Comply with 40 CFR 63 Subpart DDDDD upon startup. Subpart DDDDD. [40 CFR 63.7495(c)(1)]

212 Carbon monoxide <= 400 ppmv (dry basis) corrected to 3% oxygen. Subpart DDDDD. [40 CFR 63.7500(a)(1)]

Which Months: All Year Statistical Basis: None specified

213 Be in compliance with the emission limits (including operating limits) and work practice standards in 40 CFR 63 Subpart DDDDD at all times, except during periods of startup, shutdown, and malfunction. Subpart DDDDD. [40 CFR 63.7505(a)]

214 Demonstrate compliance with any applicable emission limit using performance testing. Fuel analysis may be used if the emission rate calculated according to 40 CFR 63.7530(d) is less than the applicable emission limit. Subpart DDDDD. [40 CFR 63.7505(c)]

215 Develop a site-specific monitoring plan according to the requirements in 40 CFR 63.7505(d)(1) through (d)(4). Subpart DDDDD. [40 CFR 63.7505(d)]

216 Develop and implement a written startup, shutdown and malfunction plan (SSMP) according to the provisions in 40 CFR 63.6(e)(3). Subpart DDDDD. [40 CFR 63.7505(e)]

## **SPECIFIC REQUIREMENTS**

**AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery**

**Activity Number: PER20060012**

**Permit Number: 3039-V0**

**Air - Title V Regular Permit Major Mod**

### **EQT192 7B-08, GME Platformer Heater Cell No. 2**

- 217 Demonstrate initial compliance with the promulgated emission limits and work practice standards no later than 180 days after startup. Subpart DDDDD. [40 CFR 63.7510(g)]
- 218 Carbon monoxide monitored by continuous emission monitor (CEM) continuously, according to the procedures in 40 CFR 63.7525(a)(1) through (a)(6) by the compliance date specified in 40 CFR 63.7495. Subpart DDDDD. [40 CFR 63.7525(a)]
- Which Months: All Year Statistical Basis: None specified
- 219 Report each instance in which emission limits, operating limits, and work practice standards in 40 CFR 63 Subpart DDDDD Tables 1 through 4 are not met; and each instance during a startup, shutdown or malfunction when emission limits, operating limits, and work practice standards are not met. Report according to the requirements in 40 CFR 63.7550. Subpart DDDDD. [40 CFR 63.7540(b)]
- 220 Submit compliance status report: Due semiannually, by the 31st of January and July. Submit the compliance report according to 40 CFR 63.7550(b)(1) through (b)(5). Include the information specified in 40 CFR 63.7550(c) through (e), as applicable. Subpart DDDDD. [40 CFR 63.7550]
- 221 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in 40 CFR 63.7555(a) through (e), as applicable. Subpart DDDDD. [40 CFR 63.7555]
- 222 Keep records in a form suitable and readily available for expeditious review, according to 40 CFR 63.10(b)(1). Subpart DDDDD. [40 CFR 63.7560(a)]
- 223 Keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record and keep on site for at least 2 years, as specified in 40 CFR 63.10(b)(1). Subpart DDDDD. [40 CFR 63.7560]

### **EQT193 7C-08, GME Platformer Heater Cell No. 3**

- 224 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33.III.1101.B]
- Which Months: All Year Statistical Basis: None specified
- 225 Total suspended particulate <= 0.6 lb/MMBTU of heat input. [LAC 33.III.1313.C]
- Which Months: All Year Statistical Basis: None specified
- 226 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33.III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA, on request. [LAC 33.III.1513]
- 227 Conduct a performance/emissions test: Due within 180 days after the startup of the unit. The stack test's purpose is to demonstrate compliance with the emission limits of this permit. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 7E - Determination of Nitrogen Oxides Emissions from Stationary Sources; Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources; Method 5 - Determination of Particulate Emissions from Stationary Sources; Method 6 - Determination of Sulfur Dioxide Emissions from Stationary Sources; and Method 25A or 25B - Determination of Total Gaseous Organic Concentration using a Flame Ionization Analyzer or Nondispersive Infrared Analyzer. Use alternate stack test methods only with the prior approval of the Office of Environmental Assessment, Environmental Technology Division, Engineering Services. As required by LAC 33.III.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits. Other methods in 40 CFR 60.106 may be utilized for the above referenced methods if applicable. If CEMs are installed then the permittee shall use appropriate Specifications of 40 CFR 60, Appendix B and Quality Assurance Procedures of 40 CFR 60, Appendix F to show compliance. [LAC 33.III.501.C.6]
- 228 Nitrogen dioxide <= 0.03 lb/MMBTU. Equipped with Ultra Low NOX Burners (UNLB) without air preheat. [PSD-LA-719]. [LAC 33.III.509, 40 CFR 52.21]
- Which Months: All Year Statistical Basis: Hourly avg maximum
- 229 Carbon monoxide <= 0.04 lb/MMBTU using refinery fuel gas. [PSD-LA-719]. [LAC 33.III.509, 40 CFR 52.21]
- Which Months: All Year Statistical Basis: Hourly avg maximum

## SPECIFIC REQUIREMENTS

AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery

Activity Number: PER20060012

Permit Number: 3039-V0

Air - Title V Regular Permit Major Mod

### EQT193 7C-08, GME Platformer Heater Cell No. 3

230 VOC, Total <= 0.0015 lb/MMBTU. [PSD-LA-719]. [LAC 33:III.509, 40 CFR 52.21]

Which Months: All Year Statistical Basis: Hourly avg maximum

231 Particulate matter (10 microns or less) <= 0.0075 lb/MMBTU with optimum burner design and utilization of refinery fuel gas. [PSD-LA-719]. [LAC 33:III.509, 40 CFR 52.21]

Which Months: All Year Statistical Basis: Hourly avg maximum

232 Hydrogen sulfide <= 25 ppmv. Sulfur content based on H2S. [PSD-LA-719]. [LAC 33:III.509, 40 CFR 52.21]

Which Months: All Year Statistical Basis: Annual average

233 Fuel gas: Hydrogen sulfide <= 0.1 gr/dscf (230 mg/dscm) or less than 160 ppm on a three hour rolling average. Subpart J. [40 CFR 60.104(a)(1)]

Which Months: All Year Statistical Basis: Three-hour rolling average

234 Hydrogen sulfide monitored by continuous emission monitor (CEM) continuously. Monitor the H2S in fuel gases before being burned in any fuel gas combustion device.

Subpart J. [40 CFR 60.105(a)(4)]

Which Months: All Year Statistical Basis: None specified

235 Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.106, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart J. [40 CFR 60.106(a)]

236 Determine compliance with standards using the test methods and procedures specified in 40 CFR 60.106(a) through (k). Subpart J. [40 CFR 60.106]

237 Shall comply with all the applicable requirements of reporting and recordkeeping as specified in 40 CFR 60.107. [40 CFR 60.107]

238 Comply with 40 CFR 63 Subpart DDDDD by November 12, 2004 or upon startup, whichever is later. Subpart DDDDD. [40 CFR 63.7495(a)]

239 Comply with 40 CFR 63 Subpart DDDDD upon startup. Subpart DDDDD. [40 CFR 63.7495(c)(1)]

240 Carbon monoxide <= 400 ppmv (dry basis) corrected to 3% oxygen. Subpart DDDDD. [40 CFR 63.7500(a)(1)]

Which Months: All Year Statistical Basis: None specified

241 Be in compliance with the emission limits (including operating limits) and work practice standards in 40 CFR 63 Subpart DDDDD at all times, except during periods of startup, shutdown, and malfunction. Subpart DDDDD. [40 CFR 63.7505(a)]

242 Demonstrate compliance with any applicable emission limit using performance testing. Fuel analysis may be used if the emission rate calculated according to 40 CFR 63.7530(d)

is less than the applicable emission limit. Subpart DDDDD. [40 CFR 63.7505(c)]

243 Develop a site-specific monitoring plan according to the requirements in 40 CFR 63.7505(d)(1) through (d)(4). Subpart DDDDD. [40 CFR 63.7505(d)]

244 Develop and implement a written startup, shutdown and malfunction plan (SSMP) according to the provisions in 40 CFR 63.6(e)(3). Subpart DDDDD. [40 CFR 63.7505(e)]

245 Demonstrate initial compliance with the promulgated emission limits and work practice standards no later than 180 days after startup. Subpart DDDDD. [40 CFR 63.7510(g)]

246 Carbon monoxide monitored by continuous emission monitor (CEM) continuously, according to the procedures in 40 CFR 63.7525(a)(1) through (a)(6) by the compliance date specified in 40 CFR 63.7495. Subpart DDDDD. [40 CFR 63.7525(a)]

Which Months: All Year Statistical Basis: None specified

247 Report each instance in which emission limits, operating limits, and work practice standards in 40 CFR 63 Subpart DDDDD Tables 1 through 4 are not met; and each instance during a startup, shutdown or malfunction when emission limits, operating limits, and work practice standards are not met. Report according to the requirements in 40 CFR 63.7550. Subpart DDDDD. [40 CFR 63.7540(b)]

248 Submit compliance status report: Due semiannually, by the 31st of January and July. Submit the compliance report according to 40 CFR 63.7550(b)(1) through (b)(5). Include the information specified in 40 CFR 63.7550(c) through (e), as applicable. Subpart DDDDD. [40 CFR 63.7550]

249 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in 40 CFR 63.7555(a) through (e), as applicable. Subpart DDDDD. [40 CFR 63.7555]

250 Keep records in a form suitable and readily available for expeditious review, according to 40 CFR 63.10(b)(1). Subpart DDDDD. [40 CFR 63.7560(a)]

## SPECIFIC REQUIREMENTS

AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery

Activity Number: PER20060012

Permit Number: 3039-V0

Air - Title V Regular Permit Major Mod

### **EQT193 7C-08, GME Platformer Heater Cell No. 3**

251 Keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record and keep on site for at least 2 years, as specified in 40 CFR 63.10(b)(1). Subpart DDDDD. [40 CFR 63.7560]

### **EQT195 9-08, GME KHT Reactor Charge Heater**

- 252 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1101.B]
- Which Months: All Year Statistical Basis: None specified
- 253 Total suspended particulate <= 0.6 lb/MMBTU of heat input. [LAC 33:III.1313.C]
- Which Months: All Year Statistical Basis: None specified
- 254 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]
- 255 Conduct a performance/emissions test: Due within 180 days after the startup of the unit. The stack test's purpose is to demonstrate compliance with the emission limits of this permit. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 7E - Determination of Nitrogen Oxides Emissions from Stationary Sources; Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources; Method 5 - Determination of Particulate Emissions from Stationary Sources; Method 6 - Determination of Sulfur Dioxide Emissions from Stationary Sources; and Method 25A or 25B - Determination of Total Gaseous Organic Concentration using a Flame Ionization Analyzer or Nondispersive Infrared Analyzer. Use alternate stack test methods only with the prior approval of the Office of Environmental Assessment, Environmental Technology Division, Engineering Services. As required by LAC 33:III.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits. Other methods in 40 CFR 60.106 may be utilized for the above referenced methods if applicable. If CEMS are installed then the permittee shall use appropriate Specifications of 40 CFR 60, Appendix B and Quality Assurance Procedures of 40 CFR 60, Appendix F to show compliance. [LAC 33:III.501.C.6]
- 256 Nitrogen dioxide <= 0.03 lb/MMBTU. Equipped with Ultra Low NOX Burners (UNLB) without air preheat. [PSD-LA-719]. [LAC 33:III.509, 40 CFR 52.21]
- Which Months: All Year Statistical Basis: Hourly avg maximum
- 257 Carbon monoxide <= 0.04 lb/MMBTU using refinery fuel gas. [PSD-LA-719]. [LAC 33:III.509, 40 CFR 52.21]
- Which Months: All Year Statistical Basis: Hourly avg maximum
- 258 VOC, Total <= 0.0015 lb/MMBTU. [PSD-LA-719]. [LAC 33:III.509, 40 CFR 52.21]
- Which Months: All Year Statistical Basis: Hourly avg maximum
- 259 Particulate matter (10 microns or less) <= 0.0075 lb/MMBTU with optimum burner design and utilization of refinery fuel gas. [PSD-LA-719]. [LAC 33:III.509, 40 CFR 52.21]
- Which Months: All Year Statistical Basis: Hourly avg maximum
- 260 Hydrogen sulfide <= 25 ppmv. Sulfur content based on H2S. [PSD-LA-719]. [LAC 33:III.509, 40 CFR 52.21]
- Which Months: All Year Statistical Basis: Annual average
- 261 Fuel gas: Hydrogen sulfide <= 0.1 gr/dscf (230 mg/dscm) or less than 160 ppm on a three hour rolling average. Subpart J. [40 CFR 60.104(a)(1)]
- Which Months: All Year Statistical Basis: Three-hour rolling average
- 262 Hydrogen sulfide monitored by continuous emission monitor (CEM) continuously. Monitor the H2S in fuel gases before being burned in any fuel gas combustion device. Subpart J. [40 CFR 60.105(a)(4)]
- Which Months: All Year Statistical Basis: None specified
- 263 Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.106, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart J. [40 CFR 60.106(a)]
- 264 Determine compliance with standards using the test methods and procedures specified in 40 CFR 60.106(a) through (k). Subpart J. [40 CFR 60.106]

## SPECIFIC REQUIREMENTS

AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery

Activity Number: PER20060012

Permit Number: 3039-V0

Air - Title V Regular Permit Major Mod

### **EQT195 9-08, GME KHT Reactor Charge Heater**

- 265 Shall comply with all the applicable requirements of reporting and recordkeeping as specified in 40 CFR 60.107. [40 CFR 60.107]
- 266 Comply with 40 CFR 63 Subpart DDDDD by November 12, 2004 or upon startup, whichever is later. Subpart DDDDD. [40 CFR 63.7495(a)]
- 267 Comply with 40 CFR 63 Subpart DDDDD upon startup. Subpart DDDDD. [40 CFR 63.7495(c)(1)]
- 268 Carbon monoxide <= 400 ppmv (dry basis) corrected to 3% oxygen. Subpart DDDDD. [40 CFR 63.7500(a)(1)]
- Which Months: All Year Statistical Basis: None specified
- 269 Be in compliance with the emission limits (including operating limits) and work practice standards in 40 CFR 63 Subpart DDDDD at all times, except during periods of startup, shutdown, and malfunction. Subpart DDDDD. [40 CFR 63.7505(a)]
- 270 Demonstrate compliance with any applicable emission limit using performance testing. Fuel analysis may be used if the emission rate calculated according to 40 CFR 63.7530(d) is less than the applicable emission limit. Subpart DDDDD. [40 CFR 63.7505(c)]
- 271 Develop a site-specific monitoring plan according to the requirements in 40 CFR 63.7505(d)(1) through (d)(4). Subpart DDDDD. [40 CFR 63.7505(d)]
- 272 Develop and implement a written startup, shutdown and malfunction plan (SSMP) according to the provisions in 40 CFR 63.6(e)(3). Subpart DDDDD. [40 CFR 63.7505(e)]
- 273 Demonstrate initial compliance with the promulgated emission limits and work practice standards no later than 180 days after startup. Subpart DDDDD. [40 CFR 63.7510(g)]
- 274 Report each instance in which emission limits, operating limits, and work practice standards in 40 CFR 63 Subpart DDDDD Tables 1 through 4 are not met; and each instance during a startup, shutdown or malfunction when emission limits, operating limits, and work practice standards are not met. Report according to the requirements in 40 CFR 63.7550. Subpart DDDDD. [40 CFR 63.7540(b)]
- 275 Submit compliance status report: Due semiannually, by the 31st of January and July. Submit the compliance report according to 40 CFR 63.7550(b)(1) through (b)(5). Include the information specified in 40 CFR 63.7550(c) through (e), as applicable. Subpart DDDDD. [40 CFR 63.7550]
- 276 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in 40 CFR 63.7555(a) through (e), as applicable. Subpart DDDDD. [40 CFR 63.7555]
- 277 Keep records in a form suitable and readily available for expeditious review, according to 40 CFR 63.10(b)(1). Subpart DDDDD. [40 CFR 63.7560(a)]
- 278 Keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record and keep on site for at least 2 years, as specified in 40 CFR 63.10(b)(1). Subpart DDDDD. [40 CFR 63.7560]

### **EQT196 10-08, GME KHT Stripper Reboiler Heater**

- 279 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lanceing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33.III.1101.B]
- Which Months: All Year Statistical Basis: None specified
- 280 Total suspended particulate <= 0.6 lb/MMBTU of heat input. [LAC 33.III.1313.C]
- Which Months: All Year Statistical Basis: None specified
- 281 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33.III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33.III.1513]

## SPECIFIC REQUIREMENTS

AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery

Activity Number: PER20060012

Permit Number: 3039-V0

Air - Title V Regular Permit Major Mod

### EQT196 10-08, GME KHT Stripper Reboiler Heater

- 282 Conduct a performance/emissions test: Due within 180 days after the startup of the unit. The stack test's purpose is to demonstrate compliance with the emission limits of this permit. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 7E - Determination of Nitrogen Oxides Emissions from Stationary Sources; Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources; Method 5 - Determination of Particulate Emissions from Stationary Sources; Method 6 - Determination of Sulfur Dioxide Emissions from Stationary Sources; and Method 25A or 25B - Determination of Total Gaseous Organic Concentration using a Flame Ionization Analyzer or Nondispersive Infrared Analyzer. Use alternate stack test methods only with the prior approval of the Office of Environmental Assessment, Environmental Technology Division, Engineering Services. As required by LAC 33:III.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits. Other methods in 40 CFR 60.106 may be utilized for the above referenced methods if applicable. If CEMS are installed then the permittee shall use appropriate Specifications of 40 CFR 60, Appendix B and Quality Assurance Procedures of 40 CFR 60, Appendix F to show compliance. [LAC 33:III.501.C.6]
- 283 Nitrogen dioxide <= 0.03 lb/MMBTU. Equipped with Ultra Low NOX Burners (UNLB) without air preheat. [PSD-LA-719]. [LAC 33:III.509, 40 CFR 52.21]
- Which Months: All Year Statistical Basis: Hourly avg maximum
- 284 Carbon monoxide <= 0.04 lb/MMBTU using refinery fuel gas. [PSD-LA-719]. [LAC 33:III.509, 40 CFR 52.21]
- Which Months: All Year Statistical Basis: Hourly avg maximum
- 285 VOC, Total <= 0.0015 lb/MMBTU. [PSD-LA-719]. [LAC 33:III.509, 40 CFR 52.21]
- Which Months: All Year Statistical Basis: Hourly avg maximum
- 286 Particulate matter (10 microns or less) <= 0.0075 lb/MMBTU with optimum burner design and utilization of refinery fuel gas. [PSD-LA-719]. [LAC 33:III.509, 40 CFR 52.21]
- Which Months: All Year Statistical Basis: Hourly avg maximum
- 287 Hydrogen sulfide <= 25 ppmv. Sulfur content based on H2S. [PSD-LA-719]. [LAC 33:III.509, 40 CFR 52.21]
- Which Months: All Year Statistical Basis: Annual average
- 288 Fuel gas: Hydrogen sulfide <= 0.1 gr/dscf (230 mg/dscm) or less than 160 ppm on a three hour rolling average. Subpart J. [40 CFR 60.104(a)(1)]
- Which Months: All Year Statistical Basis: Three-hour rolling average
- 289 Hydrogen sulfide monitored by continuous emission monitor (CEM) continuously. Monitor the H2S in fuel gases before being burned in any fuel gas combustion device. Subpart J. [40 CFR 60.105(a)(4)]
- Which Months: All Year Statistical Basis: None specified
- 290 Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.106, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart J. [40 CFR 60.106(a)]
- 291 Determine compliance with standards using the test methods and procedures specified in 40 CFR 60.106(a) through (k). Subpart J. [40 CFR 60.106]
- 292 Shall comply with all the applicable requirements of reporting and recordkeeping as specified in 40 CFR 60.107. [40 CFR 60.107]
- 293 Comply with 40 CFR 63 Subpart DDDDD by November 12, 2004 or upon startup, whichever is later. Subpart DDDDD. [40 CFR 63.7495(a)]
- 294 Comply with 40 CFR 63 Subpart DDDDD upon startup. Subpart DDDDD. [40 CFR 63.7495(c)(1)]
- 295 Carbon monoxide <= 400 ppmv (dry basis) corrected to 3% oxygen. Subpart DDDDD. [40 CFR 63.7500(a)(1)]
- Which Months: All Year Statistical Basis: None specified
- 296 Be in compliance with the emission limits (including operating limits) and work practice standards in 40 CFR 63 Subpart DDDDD at all times, except during periods of startup, shutdown, and malfunction. Subpart DDDDD. [40 CFR 63.7505(a)]
- 297 Demonstrate compliance with any applicable emission limit using performance testing. Fuel analysis may be used if the emission rate calculated according to 40 CFR 63.7530(d) is less than the applicable emission limit. Subpart DDDDD. [40 CFR 63.7505(c)]
- 298 Develop a site-specific monitoring plan according to the requirements in 40 CFR 63.7505(d)(1) through (d)(4). Subpart DDDDD. [40 CFR 63.7505(d)]
- 299 Develop and implement a written startup, shutdown and malfunction plan (SSMP) according to the provisions in 40 CFR 63.6(e)(3). Subpart DDDDD. [40 CFR 63.7505(e)]

## SPECIFIC REQUIREMENTS

Alt ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery

Activity Number: PER20060012

Permit Number: 3039-V0

Air - Title V Regular Permit Major Mod

### EQT196 10-08, GME KHT Stripper Reboiler Heater

- 300 Demonstrate initial compliance with the promulgated emission limits and work practice standards no later than 180 days after startup. Subpart DDDDD. [40 CFR 63.7510(g)]
- 301 Carbon monoxide monitored by continuous emission monitor (CEM) continuously, according to the procedures in 40 CFR 63.7525(a)(1) through (a)(6) by the compliance date specified in 40 CFR 63.7495. Subpart DDDDD. [40 CFR 63.7525(a)]
- Which Months: All Year Statistical Basis: None specified
- 302 Report each instance in which emission limits, operating limits, and work practice standards in 40 CFR 63 Subpart DDDDD Tables 1 through 4 are not met; and each instance during a startup, shutdown or malfunction when emission limits, operating limits, and work practice standards are not met. Report according to the requirements in 40 CFR 63.7550. Subpart DDDDD. [40 CFR 63.7540(b)]
- 303 Submit compliance status report: Due semiannually, by the 31st of January and July. Submit the compliance report according to 40 CFR 63.7550(b)(1) through (b)(5). Include the information specified in 40 CFR 63.7550(c) through (e), as applicable. Subpart DDDDD. [40 CFR 63.7550]
- 304 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in 40 CFR 63.7555(a) through (e), as applicable. Subpart DDDDD. [40 CFR 63.7555]
- 305 Keep records in a form suitable and readily available for expedited review, according to 40 CFR 63.10(b)(1). Subpart DDDDD. [40 CFR 63.7560(a)]
- 306 Keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record and keep on site for at least 2 years, as specified in 40 CFR 63.7560. Subpart DDDDD. [40 CFR 63.7560]

### EQT197 11-08, GME HCU Train 1 Reactor Charge Heater

- 307 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lanceing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33.III.1101.B]
- Which Months: All Year Statistical Basis: None specified
- 308 Total suspended particulate <= 0.6 lb/MMBTU of heat input. [LAC 33.III.1313.C]
- Which Months: All Year Statistical Basis: None specified
- 309 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33.III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33.III.1513]
- 310 Conduct a performance/emissions test: Due within 180 days after the startup of the unit. The stack test's purpose is to demonstrate compliance with the emission limits of this permit. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 7E - Determination of Nitrogen Oxides Emissions from Stationary Sources; Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources; Method 5 - Determination of Particulate Emissions from Stationary Sources; Method 6 - Determination of Sulfur Dioxide Emissions from Stationary Sources; and Method 25A or 25B - Determination of Total Gaseous Organic Concentration using a Flame Ionization Analyzer or Nondispersive Infrared Analyzer. Use alternate stack test methods only with the prior approval of the Office of Environmental Assessment, Environmental Technology Division, Engineering Services. As required by LAC 33.III.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits. Other methods in 40 CFR 60.106 may be utilized for the above referenced methods if applicable. If CEMS are installed then the permittee shall use appropriate Specifications of 40 CFR 60, Appendix B and Quality Assurance Procedures of 40 CFR 60, Appendix F to show compliance. [LAC 33.III.501.C.6]
- 311 Nitrogen dioxide <= 0.03 lb/MMBTU. Equipped with Ultra Low NOX Burners (UNLB) without air preheat. [PSD-LA-719]. [LAC 33.III.509, 40 CFR 52.21]
- Which Months: All Year Statistical Basis: Hourly avg maximum
- 312 Carbon monoxide <= 0.04 lb/MMBTU using refinery fuel gas. PSD-LA-719. [LAC 33.III.509, 40 CFR 52.21]
- Which Months: All Year Statistical Basis: Hourly avg maximum

## SPECIFIC REQUIREMENTS

AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery

Activity Number: PER20060012

Permit Number: 3039-V0

Air - Title V Regular Permit Major Mod

### EQT197 11-08, GME HCU Train 1 Reactor Charge Heater

- 313 VOC, Total <= 0.0015 lb/MMBTU. [LAC 33:III.509, 40 CFR 52.21]  
Which Months: All Year Statistical Basis: Hourly avg maximum
- 314 Particulate matter (10 microns or less) <= 0.0075 lb/MMBTU with optimum burner design and utilization of refinery fuel gas. [PSD-LA-719]. [LAC 33:III.509, 40 CFR 52.21]  
Which Months: All Year Statistical Basis: Hourly avg maximum
- 315 Hydrogen sulfide <= 25 ppmv. Sulfur content based on H2S. [PSD-LA-719]. [LAC 33:III.509, 40 CFR 52.21]  
Which Months: All Year Statistical Basis: Annual average
- 316 Fuel gas: Hydrogen sulfide <= 0.1 gr/dscf (230 mg/dscm) or less than 160 ppm on a three hour rolling average. Subpart J. [40 CFR 60.104(a)(1)]  
Which Months: All Year Statistical Basis: Three-hour rolling average
- 317 Hydrogen sulfide monitored by continuous emission monitor (CEM) continuously. Monitor the H2S in fuel gases before being burned in any fuel gas combustion device.  
Subpart J. [40 CFR 60.105(a)(4)]  
Which Months: All Year Statistical Basis: None specified
- 318 Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.106, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart J. [40 CFR 60.106(a)]
- 319 Determine compliance with standards using the test methods and procedures specified in 40 CFR 60.106(a) through (k). Subpart J. [40 CFR 60.106]  
320 Shall comply with all the applicable requirements of reporting and recordkeeping as specified in 40 CFR 60.107. [40 CFR 60.107]  
321 Comply with 40 CFR 63 Subpart DDDDD by November 12, 2004 or upon startup, whichever is later. Subpart DDDDD. [40 CFR 63.7495(a)]  
322 Comply with 40 CFR 63 Subpart DDDDD upon startup. Subpart DDDDD. [40 CFR 63.7495(c)(1)]  
323 Carbon monoxide <= 400 ppmv (dry basis) corrected to 3% oxygen. Subpart DDDDD. [40 CFR 63.7500(a)(1)]  
Which Months: All Year Statistical Basis: None specified
- 324 Be in compliance with the emission limits (including operating limits) and work practice standards in 40 CFR 63 Subpart DDDDD at all times, except during periods of startup, shutdown, and malfunction. Subpart DDDDD. [40 CFR 63.7505(a)]
- 325 Demonstrate compliance with any applicable emission limit using performance testing. Fuel analysis may be used if the emission rate calculated according to 40 CFR 63.7530(d) is less than the applicable emission limit. Subpart DDDDD. [40 CFR 63.7505(c)]
- 326 Develop a site-specific monitoring plan according to the requirements in 40 CFR 63.7505(d)(1) through (d)(4). Subpart DDDDD. [40 CFR 63.7505(d)]
- 327 Develop and implement a written startup, shutdown and malfunction plan (SSMP) according to the provisions in 40 CFR 63.6(e)(3). Subpart DDDDD. [40 CFR 63.7505(e)]
- 328 Demonstrate initial compliance with the promulgated emission limits and work practice standards no later than 180 days after startup. Subpart DDDDD. [40 CFR 63.7510(g)]  
329 Report each instance in which emission limits, operating limits, and work practice standards in 40 CFR 63 Subpart DDDDD Tables 1 through 4 are not met, and each instance during a startup, shutdown or malfunction when emission limits, operating limits, and work practice standards are not met. Report according to the requirements in 40 CFR 63.7550. Subpart DDDDD. [40 CFR 63.7540(b)]
- 330 Submit compliance status report: Due semiannually, by the 31st of January and July. Submit the compliance report according to 40 CFR 63.7550(b)(1) through (b)(5). Include the information specified in 40 CFR 63.7550(c) through (e), as applicable. Subpart DDDDD. [40 CFR 63.7550]
- 331 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in 40 CFR 63.7555(a)
- 332 Keep records in a form suitable and readily available for expeditious review, according to 40 CFR 63.10(b)(1). Subpart DDDDD. [40 CFR 63.7560(a)]
- 333 Keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record and keep on site for at least 2 years, as specified in 40 CFR 63.10(b)(1). Subpart DDDDD. [40 CFR 63.7560]

### EQT198 12-08, GME HCU Train 2 Reactor Charge Heater

## SPECIFIC REQUIREMENTS

AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery

Activity Number: PER20060012

Permit Number: 3039-V0

Air - Title V Regular Permit Major Mod

### **EQT198 12-08, GME HCU Train 2 Reactor Charge Heater**

334 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1101.B]

Which Months: All Year Statistical Basis: None specified

335 Total suspended particulate <= 0.6 lb/MMBTU of heat input. [LAC 33:III.1313.C]

Which Months: All Year Statistical Basis: None specified

336 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]

337 Conduct a performance/emissions test: Due within 180 days after the startup of the unit. The stack test's purpose is to demonstrate compliance with the emission limits of this permit. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 7E - Determination of Nitrogen Oxides Emissions from Stationary Sources; Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources; Method 5 - Determination of Particulate Emissions from Stationary Sources; Method 6 - Determination of Sulfur Dioxide Emissions from Stationary Sources; and Method 25A or 25B - Determination of Total Gaseous Organic Concentration using a Flame Ionization Analyzer or Nondispersive Infrared Analyzer. Use alternate stack test methods only with the prior approval of the Office of Environmental Assessment, Environmental Technology Division, Engineering Services. As required by LAC 33:III.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits. Other methods in 40 CFR 60.106 may be utilized for the above referenced methods if applicable. If CEMS are installed then the permittee shall use appropriate Specifications of 40 CFR 60, Appendix B and Quality Assurance Procedures of 40 CFR 60, Appendix F to show compliance. [LAC 33:III.501.C.6]

338 Nitrogen dioxide <= 0.03 lb/MMBTU. Equipped with Ultra Low NOX Burners (UNLB) without air preheat. [PSD-LA-719]. [LAC 33:III.509, 40 CFR 52.21]

Which Months: All Year Statistical Basis: Hourly avg maximum.

339 Carbon monoxide <= 0.04 lb/MMBTU using refinery fuel gas. [PSD-LA-719]. [LAC 33:III.509, 40 CFR 52.21]

Which Months: All Year Statistical Basis: Hourly avg maximum.

340 VOC, Total <= 0.0015 lb/MMBTU. [PSD-LA-719]. [LAC 33:III.509, 40 CFR 52.21]

Which Months: All Year Statistical Basis: Hourly avg maximum.

341 Particulate matter (10 microns or less) <= 0.0075 lb/MMBTU with optimum burner design and utilization of refinery fuel gas. [PSD-LA-719]. [LAC 33:III.509, 40 CFR 52.21]

Which Months: All Year Statistical Basis: Hourly avg maximum.

342 Hydrogen sulfide <= 25 ppmv. Sulfur content based on H2S. [PSD-LA-719]. [LAC 33:III.509, 40 CFR 52.21]

Which Months: All Year Statistical Basis: Annual average

343 Fuel gas: Hydrogen sulfide <= 0.1 gr/dscf (230 mg/dscm) or less than 160 ppm on a three hour rolling average. Subpart J. [40 CFR 60.104(a)(1)]

Which Months: All Year Statistical Basis: Three-hour rolling average

344 Hydrogen sulfide monitored by continuous emission monitor (CEM) continuously. Monitor the H2S in fuel gases before being burned in any fuel gas combustion device. Subpart J. [40 CFR 60.105(a)(4)]

Which Months: All Year Statistical Basis: None specified

345 Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.106, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart J. [40 CFR 60.106(a)]

346 Determine compliance with standards using the test methods and procedures specified in 40 CFR 60.106(a) through (k). Subpart J. [40 CFR 60.106]

347 Shall comply with all the applicable requirements of reporting and recordkeeping as specified in 40 CFR 60.107. [40 CFR 60.107]

348 Comply with 40 CFR 63 Subpart DDDDD by November 12, 2004 or upon startup, whichever is later. Subpart DDDDD. [40 CFR 63.7495(a)]

349 Comply with 40 CFR 63 Subpart DDDDD upon startup. Subpart DDDDD. [40 CFR 63.7495(c)(1)]

## SPECIFIC REQUIREMENTS

AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery

Activity Number: PER20060012

Permit Number: 3039-V0

Air - Title V Regular Permit Major Mod

### **EQT198 12-08, GME HCU Train 2 Reactor Charge Heater**

- 350 Carbon monoxide <= 400 ppmv (dry basis) corrected to 3% oxygen. Subpart DDDDD. [40 CFR 63.7500(a)(1)]  
Which Months: All Year Statistical Basis: None specified
- 351 Be in compliance with the emission limits (including operating limits) and work practice standards in 40 CFR 63 Subpart DDDDD at all times, except during periods of startup, shutdown, and malfunction. Subpart DDDDD. [40 CFR 63.7505(a)]
- 352 Demonstrate compliance with any applicable emission limit using performance testing. Fuel analysis may be used if the emission rate calculated according to 40 CFR 63.7530(d) is less than the applicable emission limit. Subpart DDDDD. [40 CFR 63.7505(c)]
- 353 Develop a site-specific monitoring plan according to the requirements in 40 CFR 63.7505(d)(1) through (d)(4). Subpart DDDDD. [40 CFR 63.7505(d)]
- 354 Develop and implement a written startup, shutdown and malfunction plan (SSMMP) according to the provisions in 40 CFR 63.6(e)(3). Subpart DDDDD. [40 CFR 63.7505(e)]
- 355 Demonstrate initial compliance with the promulgated emission limits and work practice standards no later than 180 days after startup. Subpart DDDDD. [40 CFR 63.7510(g)]
- 356 Report each instance in which emission limits, operating limits, and work practice standards in 40 CFR 63 Subpart DDDDD Tables 1 through 4 are not met; and each instance during a startup, shutdown or malfunction when emission limits, operating limits, and work practice standards are not met. Report according to the requirements in 40 CFR 63.7550. Subpart DDDDD. [40 CFR 63.7540(b)]
- 357 Submit compliance status report: Due semiannually, by the 31st of January and July. Submit the compliance report according to 40 CFR 63.7550(b)(1) through (b)(5). Include the information specified in 40 CFR 63.7550(c) through (e), as applicable. Subpart DDDDD. [40 CFR 63.7550]
- 358 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in 40 CFR 63.7555(a) through (e), as applicable. Subpart DDDDD. [40 CFR 63.7555]
- 359 Keep records in a form suitable and readily available for expeditious review, according to 40 CFR 63.10(b)(1). Subpart DDDDD. [40 CFR 63.7560(a)]
- 360 Keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record and keep on site for at least 2 years, as specified in 40 CFR 63.10(b)(1). Subpart DDDDD. [40 CFR 63.7560]

### **EQT199 13-08, GME HCU Fractionator Heater**

- 361 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lanceing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1101.B]  
Which Months: All Year Statistical Basis: None specified
- 362 Total suspended particulate <= 0.6 lb/MMBTU of heat input. [LAC 33:III.1313.C]  
Which Months: All Year Statistical Basis: None specified
- 363 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:II Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]
- 364 Conduct a performance/emissions test: Due within 180 days after the startup of the unit. The stack test's purpose is to demonstrate compliance with the emission limits of this permit. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 7E - Determination of Nitrogen Oxides Emissions from Stationary Sources; Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources; Method 5 - Determination of Particulate Emissions from Stationary Sources; Method 6 - Determination of Sulfur Dioxide Emissions from Stationary Sources; and Method 25A or 25B - Determination of Total Gaseous Organic Concentration using a Flame Ionization Analyzer or Nondispersive Infrared Analyzer. Use alternate stack test methods only with the prior approval of the Office of Environmental Assessment, Environmental Technology Division, Engineering Services. As required by LAC 33:III.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits. Other methods in 40 CFR 60.106 may be utilized for the above referenced methods if applicable. If CEMS are installed then the permittee shall use appropriate Specifications of 40 CFR 60, Appendix B and Quality Assurance Procedures of 40 CFR 60, Appendix F to show compliance. [LAC 33:III.501.C.6]

## SPECIFIC REQUIREMENTS

AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery

Activity Number: PER20060012

Permit Number: 3039-V0

Air • Title V Regular Permit Major Mod

### EQT199 13-08, GME HCU Fractionator Heater

- 365 Nitrogen dioxide <= 0.03 lb/MMBTU. Equipped with Ultra Low NOX Burners (UNLB) without air preheat. [PSD-LA-719]. [LAC 33:III.509, 40 CFR 52.21]  
Which Months: All Year Statistical Basis: Hourly avg maximum
- 366 Carbon monoxide <= 0.04 lb/MMBTU using refinery fuel gas. [PSD-LA-719]. [LAC 33:III.509, 40 CFR 52.21]  
Which Months: All Year Statistical Basis: Hourly avg maximum
- 367 Hydrogen sulfide <= 25 ppmv. Sulfur content based on H<sub>2</sub>S. [PSD-LA-719]. [LAC 33:III.509, 40 CFR 52.21]  
Which Months: All Year Statistical Basis: Annual average
- 368 Particulate matter (10 microns or less) <= 0.0075 lb/MMBTU with optimum burner design and utilization of refinery fuel gas. [PSD-LA-719]. [LAC 33:III.509, 40 CFR 52.21]  
Which Months: All Year Statistical Basis: Hourly avg maximum
- 369 VOC, Total <= 0.0015 lb/MMBTU. [PSD-LA-719]. [40 CFR 52.21, LAC 33:III.509]  
Which Months: All Year Statistical Basis: Hourly avg maximum
- 370 Fuel gas: Hydrogen sulfide <= 0.1 gr/dscf (230 mg/dscm) or less than 160 ppm on a three hour rolling average. Subpart J. [40 CFR 60.104(a)(1)]  
Which Months: All Year Statistical Basis: Three-hour rolling average
- 371 Hydrogen sulfide monitored by continuous emission monitor (CEM) continuously. Monitor the H<sub>2</sub>S in fuel gases before being burned in any fuel gas combustion device.  
Subpart J. [40 CFR 60.105(a)(4)]  
Which Months: All Year Statistical Basis: None specified
- 372 Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.106, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart J. [40 CFR 60.106(a)]
- 373 Determine compliance with standards using the test methods and procedures specified in 40 CFR 60.106(a) through (k). Subpart J. [40 CFR 60.106]
- 374 Shall comply with all the applicable requirements of reporting and recordkeeping as specified in 40 CFR 60.107. [40 CFR 60.107]
- 375 Comply with 40 CFR 63 Subpart DDDDD by November 12, 2004 or upon startup, whichever is later. Subpart DDDDD. [40 CFR 63.7495(a)]
- 376 Comply with 40 CFR 63 Subpart DDDDD upon startup. Subpart DDDDD. [40 CFR 63.7495(c)(1)]
- 377 Carbon monoxide <= 400 ppmv (dry basis) corrected to 3% oxygen. Subpart DDDDD. [40 CFR 63.7500(a)(1)]  
Which Months: All Year Statistical Basis: None specified
- 378 Be in compliance with the emission limits (including operating limits) and work practice standards in 40 CFR 63 Subpart DDDDD at all times, except during periods of startup, shutdown, and malfunction. Subpart DDDDD. [40 CFR 63.7505(a)]
- 379 Demonstrate compliance with any applicable emission limit using performance testing. Fuel analysis may be used if the emission rate calculated according to 40 CFR 63.7530(d) is less than the applicable emission limit. Subpart DDDDD. [40 CFR 63.7505(c)]
- 380 Develop a site-specific monitoring plan according to the requirements in 40 CFR 63.7505(d)(1) through (d)(4). Subpart DDDDD. [40 CFR 63.7505(d)]
- 381 Develop and implement a written startup, shutdown and malfunction plan (SSMP) according to the provisions in 40 CFR 63.6(e)(3). Subpart DDDDD. [40 CFR 63.7505(e)]
- 382 Demonstrate initial compliance with the promulgated emission limits and work practice standards no later than 180 days after startup. Subpart DDDDD. [40 CFR 63.7510(g)]
- 383 Carbon monoxide monitored by continuous emission monitor (CEM) continuously, according to the procedures in 40 CFR 63.7525(a)(1) through (a)(6) by the compliance date specified in 40 CFR 63.7495. Subpart DDDDD. [40 CFR 63.7525(a)]
- Which Months: All Year Statistical Basis: None specified
- 384 Report each instance in which emission limits, operating limits, and work practice standards in 40 CFR 63 Subpart DDDDD Tables 1 through 4 are not met; and each instance during a startup, shutdown or malfunction when emission limits, operating limits, and work practice standards are not met. Report according to the requirements in 40 CFR 63.7550. Subpart DDDDD. [40 CFR 63.7540(b)]
- 385 Submit compliance status report: Due semiannually, by the 31st of January and July. Submit the compliance report according to 40 CFR 63.7550(b)(1) through (b)(5). Include the information specified in 40 CFR 63.7550(c) through (e), as applicable. Subpart DDDDD. [40 CFR 63.7550]

## SPECIFIC REQUIREMENTS

AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery

Activity Number: PER20060012

Permit Number: 3039-V0

Air - Title V Regular Permit Major Mod

### EQT199 13-08, GME HCU Fractionator Heater

- 386 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in 40 CFR 63.7555(a) through (e), as applicable. Subpart DDDDD. [40 CFR 63.7555]
- 387 Keep records in a form suitable and readily available for expeditious review, according to 40 CFR 63.10(b)(1). Subpart DDDDD. [40 CFR 63.7560(a)]
- 388 Keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record and keep on site for at least 2 years, as specified in 40 CFR 63.10(b)(1). Subpart DDDDD. [40 CFR 63.7560]

### EQT200 14-08, GME Sats Gas Plant Hot Oil Heater

- 389 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1101.B]
- Which Months: All Year Statistical Basis: None specified
- 390 Total suspended particulate <= 0.6 lb/MMBTU of heat input. [LAC 33:III.1313.C]
- Which Months: All Year Statistical Basis: None specified
- 391 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.15.13]
- 392 Equipment/operational data recordkeeping by electronic or hard copy as needed. Maintain records to demonstrate that the criteria are being met for any exemption claimed. Maintain records on the premises for at least two years and make such information available to representatives of the Louisiana Department of Environmental Quality and the Environmental Protection Agency upon request. [LAC 33:III.2115.K]
- 393 Conduct a performance/emissions test: Due within 180 days after the startup of the unit. The stack test's purpose is to demonstrate compliance with the emission limits of this permit. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 7E - Determination of Nitrogen Oxides Emissions from Stationary Sources; Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources; Method 5 - Determination of Particulate Emissions from Stationary Sources; Method 6 - Determination of Sulfur Dioxide Emissions from Stationary Sources; and Method 25A or 25B - Determination of Total Gaseous Organic Concentration using a Flame Ionization Analyzer or Nondispersive Infrared Analyzer. Use alternate stack test methods only with the prior approval of the Office of Environmental Assessment, Environmental Technology Division, Engineering Services. As required by LAC 33:III.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits. Other methods in 40 CFR 60.106 may be utilized for the above referenced methods if applicable. If CEMS are installed then the permittee shall use appropriate Specifications of 40 CFR 60, Appendix B and Quality Assurance Procedures of 40 CFR 60, Appendix F to show compliance. [LAC 33:III.501.C.6]
- 394 Carbon monoxide <= 0.04 lb/MMBTU using refinery fuel gas. [PSD-LA-719]. [LAC 33:III.509, 40 CFR 52.21]
- Which Months: All Year Statistical Basis: Hourly avg maximum
- 395 Hydrogen sulfide <= 25 ppmv. Sulfur content based on H2S. [PSD-LA-719]. [LAC 33:III.509, 40 CFR 52.21]
- Which Months: All Year Statistical Basis: Annual average
- 396 Nitrogen dioxide <= 0.03 lb/MMBTU. Equipped with Ultra Low NOX Burners (UNLB) without air preheat. [PSD-LA-719]. [LAC 33:III.509, 40 CFR 52.21]
- Which Months: All Year Statistical Basis: Hourly avg maximum
- 397 Particulate matter (10 microns or less) <= 0.0075 lb/MMBTU with optimum burner design and utilization of refinery fuel gas. [PSD-LA-719]. [LAC 33:III.509, 40 CFR 52.21]
- Which Months: All Year Statistical Basis: Hourly avg maximum
- 398 VOC, Total <= 0.0015 lb/MMBTU. [PSD-LA-719]. [LAC 33:III.509, 40 CFR 52.21]
- Which Months: All Year Statistical Basis: Hourly avg maximum
- 399 Fuel gas: Hydrogen sulfide <= 0.1 gr/dscf (230 mg/dscm) or less than 160 ppm on a three hour rolling average. Subpart I. [40 CFR 60.104(a)(1)]
- Which Months: All Year Statistical Basis: Three-hour rolling average

## **SPECIFIC REQUIREMENTS**

AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery

Activity Number: PER20060012

Permit Number: 3039-V0

Air - Title V Regular Permit Major Mod

### **EQT200 14-08, GME Sets Gas Plant Hot Oil Heater**

400 Hydrogen sulfide monitored by continuous emission monitor (CEM) continuously. Monitor the H<sub>2</sub>S in fuel gases before being burned in any fuel gas combustion device.

Subpart J. [40 CFR 60.105(a)(4)]

Which Months: All Year Statistical Basis: None specified

401 Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.106, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart J. [40 CFR 60.106(a)]

402 Determine compliance with standards using the test methods and procedures specified in 40 CFR 60.106(a) through (k). Subpart J. [40 CFR 60.106]

403 Shall comply with all the applicable requirements of reporting and recordkeeping as specified in 40 CFR 60.107. [40 CFR 60.107]

404 Nitrogen oxides <= 0.20 lb/MMBTU heat input (expressed as NO<sub>2</sub>), except as provided in 40 CFR 60.44b(k). The nitrogen oxide standards apply at all times, including periods of startup, shutdown, or malfunction. Subpart Db. [40 CFR 60.44b(a)(1)(ii)]

Which Months: All Year Statistical Basis: Thirty-day rolling average

405 Organic HAP >= 98 % reduction by weight, or <= 20 ppmv, on a dry basis, corrected to 3% oxygen, whichever is less stringent, using a control device. Subpart CC. [40 CFR 63.643(a)(2)]

Which Months: All Year Statistical Basis: None specified

406 Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC is considered compliance with all the applicable requirements of LAC 33:III, Chapter 51. [40 CFR 63.643(b), LAC 33:III.5109.A]

407 Group 1: The vent stream shall be introduced into the flame zone of the burner. Subpart CC. [40 CFR 63.644(a)(3), 40 CFR 63.643(b)]

408 Shall use the test methods referenced in NESHAP, 40 CFR 63, Subpart CC to demonstrate compliance. Subpart CC. [40 CFR 63.645]

409 Comply with 40 CFR 63 Subpart DDDDD by November 12, 2004 or upon startup, whichever is later. Subpart DDDDD. [40 CFR 63.7495(a)]

410 Comply with 40 CFR 63 Subpart DDDDD upon startup. Subpart DDDDD. [40 CFR 63.7495(c)(1)]

411 Carbon monoxide <= 400 ppmv (dry basis), corrected to 3% oxygen. Subpart DDDDD. [40 CFR 63.7500(a)(1)]

Which Months: All Year Statistical Basis: None specified

412 Be in compliance with the emission limits (including operating limits) and work practice standards in 40 CFR 63 Subpart DDDDD at all times, except during periods of startup, shutdown, and malfunction. Subpart DDDDD. [40 CFR 63.7505(a)]

413 Demonstrate compliance with any applicable emission limit using performance testing. Fuel analysis may be used if the emission rate calculated according to 40 CFR 63.7530(d) is less than the applicable emission limit. Subpart DDDDD. [40 CFR 63.7505(c)]

414 Develop a site-specific monitoring plan according to the requirements in 40 CFR 63.7505(d)(1) through (d)(4). Subpart DDDDD. [40 CFR 63.7505(d)]

415 Develop and implement a written startup, shutdown and malfunction plan (SSMP) according to the provisions in 40 CFR 63.6(e)(3). Subpart DDDDD. [40 CFR 63.7505(e)]

416 Demonstrate initial compliance with the promulgated emission limits and work practice standards no later than 180 days after startup. Subpart DDDDD. [40 CFR 63.7510(g)]

417 Carbon monoxide monitored by continuous emission monitor (CEM) continuously, according to the procedures in 40 CFR 63.7525(a)(1) through (a)(6) by the compliance date specified in 40 CFR 63.7495. Subpart DDDDD. [40 CFR 63.7525(a)]

Which Months: All Year Statistical Basis: None specified

418 Report each instance in which emission limits, operating limits, and work practice standards in 40 CFR 63 Subpart DDDDD Tables 1 through 4 are not met, and each instance during a startup, shutdown or malfunction when emission limits, operating limits, and work practice standards are not met. Report according to the requirements in 40 CFR 63.7550. Subpart DDDDD. [40 CFR 63.7540(b)]

419 Submit compliance status report: Due semiannually, by the 31st of January and July. Submit the compliance report according to 40 CFR 63.7550(b)(1) through (b)(5). Include the information specified in 40 CFR 63.7550(c) through (e), as applicable. Subpart DDDDD. [40 CFR 63.7550]

## SPECIFIC REQUIREMENTS

AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery

Activity Number: PER20060012

Permit Number: 3039-V0

Air - Title V Regular Permit Major Mod

### EQT200 14-08, GME Sats Gas Plant Hot Oil Heater

- 420 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in 40 CFR 63.7555(a) through (e), as applicable. Subpart DDDDD. [40 CFR 63.7555]  
421 Keep records in a form suitable and readily available for expeditious review, according to 40 CFR 63.10(b)(1). Subpart DDDDD. [40 CFR 63.7560(a)]  
422 Keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record and keep on site for at least 2 years, as specified in 40 CFR 63.10(b)(1). Subpart DDDDD. [40 CFR 63.7560]

### EQT201 15-08, GME Coker Charge Heater

- 423 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1101.B]  
Which Months: All Year Statistical Basis: None specified  
424 Total suspended particulate <= 0.6 lb/MMBTU of heat input. [LAC 33:III.1313.C]  
Which Months: All Year Statistical Basis: None specified  
425 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]  
426 Equipment/operational data recordkeeping by electronic or hard copy as needed. Maintain records to demonstrate that the criteria are being met for any exemption claimed. Maintain records on the premises for at least two years and make such information available to representatives of the Louisiana Department of Environmental Quality and the Environmental Protection Agency upon request. [LAC 33:III.2115.K]  
427 Conduct a performance/emissions test: Due within 180 days after the startup of the unit. The stack test's purpose is to demonstrate compliance with the emission limits of this permit. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 7E - Determination of Nitrogen Oxides Emissions from Stationary Sources; Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources; Method 5 - Determination of Particulate Emissions from Stationary Sources; Method 6 - Determination of Sulfur Dioxide Emissions from Stationary Sources; and Method 25A or 25B - Determination of Total Gaseous Organic Concentration using a Flame Ionization Analyzer or Nondispersive Infrared Analyzer. Use alternate stack test methods only with the prior approval of the Office of Environmental Assessment, Environmental Technology Division, Engineering Services. As required by LAC 33:III.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits. Other methods in 40 CFR 60.106 may be utilized for the above referenced methods if applicable. If CEMS are installed then the permittee shall use appropriate Specifications of 40 CFR 60, Appendix B and Quality Assurance Procedures of 40 CFR 60, Appendix F to show compliance. [LAC 33:III.501.C.6]  
428 Nitrogen dioxide <= 0.0125 lb/MMBTU. Equipped with Ultra Low NOX Burners (UNLB) and Selective Catalytic Reduction (SCR) added as voluntary control. [PSD-LA-719]. [LAC 33:III.509, 40 CFR 52.21]  
Which Months: All Year Statistical Basis: Hourly avg maximum  
429 Carbon monoxide <= 0.04 lb/MMBTU using refinery fuel gas. [PSD-LA-719]. [LAC 33:III.509, 40 CFR 52.21]  
Which Months: All Year Statistical Basis: Hourly avg maximum  
430 VOC, Total <= 0.0015 lb/MMBTU. [PSD-LA-719]. [LAC 33:III.509, 40 CFR 52.21]  
Which Months: All Year Statistical Basis: Hourly avg maximum  
431 Particulate matter (10 microns or less) <= 0.0075 lb/MMBTU with optimum burner design and utilization of refinery fuel gas. [PSD-LA-719]. [LAC 33:III.509, 40 CFR 52.21]  
Which Months: All Year Statistical Basis: Hourly avg maximum  
432 Hydrogen sulfide <= 25 ppmv. Sulfur content based on H2S. [PSD-LA-719]. [LAC 33:III.509, 40 CFR 52.21]  
Which Months: All Year Statistical Basis: Annual average

## SPECIFIC REQUIREMENTS

AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery

Activity Number: PER20060012

Permit Number: 3039-V0

Air - Title V Regular Permit Major Mod

### EQT201 15-08, GME Coker Charge Heater

- 433 Fuel gas: Hydrogen sulfide <= 0.1 gr/dscf (230 mg/dscm) or less than 160 ppm on a three hour rolling average. Subpart J. [40 CFR 60.104(a)(1)]  
Which Months: All Year Statistical Basis: Three-hour rolling average
- 434 Hydrogen sulfide monitored by continuous emission monitor (CEM) continuously. Monitor the H<sub>2</sub>S in fuel gases before being burned in any fuel gas combustion device.  
Subpart J. [40 CFR 60.105(a)(4)]  
Which Months: All Year Statistical Basis: None specified  
435 Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.106, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart J. [40 CFR 60.106(a)]  
436 Determine compliance with standards using the test methods and procedures specified in 40 CFR 60.106(a) through (k). Subpart J. [40 CFR 60.106]  
437 Shall comply with all the applicable requirements of reporting and recordkeeping as specified in 40 CFR 60.107. [40 CFR 60.107]  
438 Organic HAP >= 98 % reduction by weight, or <= 20 ppmv, on a dry basis, corrected to 3% oxygen, whichever is less stringent, using a control device. Subpart CC. [40 CFR 63.643(a)(2)]  
Which Months: All Year Statistical Basis: None specified  
439 Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC is considered compliance with all the applicable requirements of LAC 33.III Chapter 51. [40 CFR 63.643(b), LAC 33.III.5109.A]  
440 Group 1: The vent stream shall be introduced into the flame zone of the burner. Subpart CC. [40 CFR 63.644(a)(3), 40 CFR 63.643(b)]  
441 Shall use the test methods referenced in NESHAP, 40 CFR 63, Subpart CC to demonstrate compliance. Subpart CC. [40 CFR 63.645]  
442 Comply with 40 CFR 63 Subpart DDDDD by November 12, 2004 or upon startup, whichever is later. Subpart DDDDD. [40 CFR 63.7495(a)]  
443 Comply with 40 CFR 63 Subpart DDDDD upon startup. Subpart DDDDD. [40 CFR 63.7495(c)(1)]  
444 Carbon monoxide <= 400 ppmv (dry basis) corrected to 3% oxygen. Subpart DDDDD. [40 CFR 63.7500(a)(1)]  
Which Months: All Year Statistical Basis: None specified  
445 Be in compliance with the emission limits (including operating limits) and work practice standards in 40 CFR 63 Subpart DDDDD at all times, except during periods of startup, shutdown, and malfunction. Subpart DDDDD. [40 CFR 63.7505(a)]  
446 Demonstrate compliance with any applicable emission limit using performance testing. Fuel analysis may be used if the emission rate calculated according to 40 CFR 63.7530(d) is less than the applicable emission limit. Subpart DDDDD. [40 CFR 63.7505(c)]  
447 Develop a site-specific monitoring plan according to the requirements in 40 CFR 63.7505(d)(1) through (d)(4). Subpart DDDDD. [40 CFR 63.7505(d)]  
448 Develop and implement a written startup, shutdown and malfunction plan (SSMP) according to the provisions in 40 CFR 63.6(e)(3). Subpart DDDDD. [40 CFR 63.7505(e)]  
449 Demonstrate initial compliance with the promulgated emission limits and work practice standards no later than 180 days after startup. Subpart DDDDD. [40 CFR 63.7510(g)]  
450 Carbon monoxide monitored by continuous emission monitor (CEM) continuously, according to the procedures in 40 CFR 63.7525(a)(1) through (a)(6) by the compliance date specified in 40 CFR 63.7495. Subpart DDDDD. [40 CFR 63.7525(a)]  
Which Months: All Year Statistical Basis: None specified  
451 Report each instance in which emission limits, operating limits, and work practice standards in 40 CFR 63 Subpart DDDDD Tables 1 through 4 are not met; and each instance during a startup, shutdown or malfunction when emission limits, operating limits, and work practice standards are not met. Report according to the requirements in 40 CFR 63.7550. Subpart DDDDD. [40 CFR 63.7540(b)]  
452 Submit compliance status report: Due semiannually, by the 31st of January and July. Submit the compliance report according to 40 CFR 63.7550(b)(1) through (b)(5). Include the information specified in 40 CFR 63.7550(c) through (e), as applicable. Subpart DDDDD. [40 CFR 63.7550]  
453 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in 40 CFR 63.7555(a) through (e), as applicable. Subpart DDDDD. [40 CFR 63.7555]

## SPECIFIC REQUIREMENTS

AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery

Activity Number: PER20060012

Permit Number: 3039-V0

Air - Title V Regular Permit Major Mod

### EQT201 15-08, GME Coker Charge Heater

454 Keep records in a form suitable and readily available for expeditious review, according to 40 CFR 63.10(b)(1). Subpart DDDDDD. [40 CFR 63.7560(a)]

455 Keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record and keep on site for at least 2 years, as specified in 40 CFR 63.10(b)(1). Subpart DDDDDD. [40 CFR 63.7560]

### EQT202 16-08, GME Boiler No. 1

456 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1101.B]

Which Months: All Year Statistical Basis: None specified

457 Total suspended particulate <= 0.6 lb/MMBTU of heat input. [LAC 33:III.1313.C]

Which Months: All Year Statistical Basis: None specified

458 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a

representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]

459 Equipment/operational data recordkeeping by electronic or hard copy as needed. Maintain records to demonstrate that the criteria are being met for any exemption claimed. Maintain records on the premises for at least two years and make such information available to representatives of the Louisiana Department of Environmental Quality and the Environmental Protection Agency upon request. [LAC 33:III.2115.K]

460 Conduct a performance/emissions test. Due within 180 days after the startup of the unit. The stack test's purpose is to demonstrate compliance with the emission limits of this permit. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 7E - Determination of Nitrogen Oxides Emissions from Stationary Sources; Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources; Method 5 - Determination of Particulate Emissions from Stationary Sources; Method 6 - Determination of Sulfur Dioxide Emissions from Stationary Sources; and Method 25A or 25B - Determination of Total Gaseous Organic Concentration using a Flame Ionization Analyzer or Nondispersive Infrared Analyzer. Use alternate stack test methods only with the prior approval of the Office of Environmental Assessment, Environmental Technology Division, Engineering Services. As required by LAC 33:III.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits. Other methods in 40 CFR 60.106 may be utilized for the above referenced methods if applicable. If CEMS are installed then the permittee shall use appropriate Specifications of 40 CFR 60, Appendix B and Quality Assurance Procedures of 40 CFR 60, Appendix F to show compliance. [LAC 33:III.501.C.6]

461 Carbon monoxide <= 0.04 lb/MMBTU using refinery fuel gas. [PSD-LA-719]. [LAC 33:III.509, 40 CFR 52.21]

Which Months: All Year Statistical Basis: Hourly avg maximum

462 VOC, Total <= 0.0015 lb/MMBTU. [PSD-LA-719]. [LAC 33:III.509, 40 CFR 52.21]

Which Months: All Year Statistical Basis: Hourly avg maximum

463 Particulate matter (10 microns or less) <= 0.0075 lb/MMBTU with optimum burner design and utilization of refinery fuel gas. [PSD-LA-719]. [LAC 33:III.509, 40 CFR 52.21]

Which Months: All Year Statistical Basis: Hourly avg maximum

464 Hydrogen sulfide <= 25 ppmv. Sulfur content based on H2S. [PSD-LA-719]. [LAC 33:III.509, 40 CFR 52.21]

Which Months: All Year Statistical Basis: Annual average

465 Nitrogen dioxide <= 0.04 lb/MMBTU. Equipped with Ultra Low NOX Burners (UNLB) and Fuel Gas Recirculation. PSD-LA-719. [LAC 33:III.509, 40 CFR 52.21]

Which Months: All Year Statistical Basis: Hourly avg maximum

## SPECIFIC REQUIREMENTS

AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery

Activity Number: PER20060012

Permit Number: 3039-V0

Air - Title V Regular Permit Major Mod

### EQT202 16-08, GME Boiler No. 1

466 Permittee shall ensure compliance with the opacity emission limits of this permit by visually inspecting the GME Boiler No. 1, Emission Point 16-08, for opacity on a weekly basis. If visible emissions are detected, then, within three (3) working days, the permittee shall conduct a 6-minute opacity reading in accordance with EPA Reference Method 9. Visible emissions will be considered a violation of the 20% opacity limit. Records of visible emission checks shall include the emission point ID number, the date the visual check was performed, a record if visible emissions were detected, a record and results of any Method 9 testing conducted, and a record of any corrective actions taken. These records shall be kept on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. [LAC 33:III.509, 40 CFR 52.21]

467 Fuel gas: Hydrogen sulfide <= 0.1 gr/dscf (230 mg/dscm) or less than 160 ppm on a three hour rolling average. Subpart J. [40 CFR 60.104(a)(1)]

468 Hydrogen sulfide monitored by continuous emission monitor (CEM) continuously. Monitor the H<sub>2</sub>S in fuel gases before being burned in any fuel gas combustion device. Subpart J. [40 CFR 60.105(a)(4)]

Which Months: All Year Statistical Basis: None specified

469 Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.106, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart J. [40 CFR 60.106(a)]

470 Determine compliance with standards using the test methods and procedures specified in 40 CFR 60.106(a) through (k). Subpart J. [40 CFR 60.106]

471 Shall comply with all the applicable requirements of reporting and recordkeeping as specified in 40 CFR 60.107. [40 CFR 60.107]

472 Nitrogen oxides <= 0.20 lb/MMBTU heat input (expressed as NO<sub>2</sub>), except as provided in 40 CFR 60.44b(k). The nitrogen oxide standards apply at all times, including periods of startup, shutdown, or malfunction. Subpart Db. [40 CFR 60.44b(a)(1)(ii)]

Which Months: All Year Statistical Basis: Thirty-day rolling average

473 Comply with 40 CFR 63 Subpart DDDDD by November 12, 2004 or upon startup, whichever is later. Subpart DDDDD. [40 CFR 63.7495(a)]

474 Comply with 40 CFR 63 Subpart DDDDD upon startup. Subpart DDDDD. [40 CFR 63.7495(c)(1)]

475 Carbon monoxide <= 400 ppmv (dry basis) corrected to 3% oxygen. Subpart DDDDD. [40 CFR 63.7500(a)(1)]

Which Months: All Year Statistical Basis: None specified

476 Be in compliance with the emission limits (including operating limits) and work practice standards in 40 CFR 63 Subpart DDDDD at all times, except during periods of startup, shutdown, and malfunction. Subpart DDDDD. [40 CFR 63.7505(a)]

477 Demonstrate compliance with any applicable emission limit using performance testing. Fuel analysis may be used if the emission rate calculated according to 40 CFR 63.7530(d) is less than the applicable emission limit. Subpart DDDDD. [40 CFR 63.7505(c)]

478 Develop a site-specific monitoring plan according to the requirements in 40 CFR 63.7505(d)(1) through (d)(4). Subpart DDDDD. [40 CFR 63.7505(d)]

479 Develop and implement a written startup, shutdown and malfunction plan (SSMP) according to the provisions in 40 CFR 63.6(e)(3). Subpart DDDDD. [40 CFR 63.7505(e)]

480 Demonstrate initial compliance with the promulgated emission limits and work practice standards no later than 180 days after startup. Subpart DDDDD. [40 CFR 63.7510(g)]

481 Carbon monoxide monitored by continuous emission monitor (CEM) continuously, according to the procedures in 40 CFR 63.7525(a)(1) through (a)(6) by the compliance date specified in 40 CFR 63.7495. Subpart DDDDD. [40 CFR 63.7525(a)]

Which Months: All Year Statistical Basis: None specified

482 Report each instance in which emission limits, operating limits, and work practice standards in 40 CFR 63 Subpart DDDDD Tables 1 through 4 are not met; and each instance during a startup, shutdown or malfunction when emission limits, operating limits, and work practice standards are not met. Report according to the requirements in 40 CFR 63.7550. Subpart DDDDD. [40 CFR 63.7540(b)]

483 Submit compliance status report: Due semiannually, by the 31st of January and July. Submit the compliance report according to 40 CFR 63.7550(b)(1) through (b)(5). Include the information specified in 40 CFR 63.7550(c) through (e), as applicable. Subpart DDDDD. [40 CFR 63.7550]

484 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in 40 CFR 63.7555(a) through (e), as applicable. Subpart DDDDD. [40 CFR 63.7555]

## SPECIFIC REQUIREMENTS

AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery

Activity Number: PER20060012

Permit Number: 3039-Y0

Air - Title V Regular Permit Major Mod

### EQT202 16-08, GME Boiler No. 1

485 Keep records in a form suitable and readily available for expeditious review, according to 40 CFR 63.10(b)(1). Subpart DDDDD. [40 CFR 63.7560(a)]

486 Keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record and keep on site for at least 2 years, as specified in 40 CFR 63.10(b)(1). Subpart DDDDD. [40 CFR 63.7560]

### EQT204 18-08, GME Thermal Oxidizer No. 1

487 Capacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1101.B]  
Which Months: All Year Statistical Basis: None specified  
488 Capacity <= 20 percent, except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1101.C]

Which Months: All Year Statistical Basis: Six-minute average

489 Total suspended particulate <= 0.6 lb/MMBTU of heat input. [LAC 33:III.1313.C]

Which Months: All Year Statistical Basis: None specified

490 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]

491 Degassing of the liquid sulfur product upstream of the Sulfur Pit as H<sub>2</sub>S is limited to Hydrogen sulfide <= 15 ppmv and recycling of the Sulfur Pit emissions to the SRU inlet. [PSD-LA-719]. [LAC 33:III.509, 40 CFR 52.21]  
Which Months: All Year Statistical Basis: None specified

492 Emissions from the TGTU shall be controlled by maintaining an optimized air-fuel ratio which is considered as BACT for PM10, CO, NOX, and VOC. NOx and VOC emissions are limited to 0.20 lb/MM BTU and 0.0004 lb/MM BTU, respectively. [PSD-LA-719]. [LAC 33:III.509, 40 CFR 52.21]

493 Sulfur dioxide <= 93.41 ppmdv @ 0% excess air at the TGTU exhaust outlet. [PSD-LA-719]. [LAC 33:III.509, 40 CFR 52.21]  
Which Months: All Year Statistical Basis: Annual average

494 Emits Class III toxic air pollutants. No MACT required. [LAC 33:III.5109.A]

495 Sulfur dioxide monitored by continuous emission monitor (CEM) continuously. Include an oxygen monitor for correcting the data for excess air. Subpart J. [40 CFR 60.105(a)(3)]  
Which Months: All Year Statistical Basis: None specified

496 Discharge or cause the discharge of any gases from a oxidation control unit of a sulfur recovery plant containing Sulfur dioxide > 250 ppm dry basis, 0% excess air. Subpart J. [40 CFR 60.104(a)(i), 40 CFR 60.105(e)(4)]  
Which Months: All Year Statistical Basis: Twelve-hour average

497 Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.106, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart J. [40 CFR 60.106(a)]

498 Determine compliance with standards using the test methods and procedures specified in 40 CFR 60.106(a) through (k). Subpart J. [40 CFR 60.106]  
499 Shall comply with all the applicable requirements of reporting and recordkeeping as specified in 40 CFR 60.107. [40 CFR 60.107]

500 Permittee shall prepare an operation, maintenance, and monitoring plan according to the requirements of NESHAP, 40 CFR 1574(f) and operate at all times according to the procedures in the plan. Subpart UUU. [40 CFR 63.1568(a)(3)]  
Subpart UUU. [40 CFR 63.1568(b)(3)]

501 Establish each applicable site-specific operating limit in 40 CFR 63 Subpart UUU Table 30 that applies to you according to the procedures in 40 CFR 63 Subpart UUU Table 32.

## SPECIFIC REQUIREMENTS

AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery

Activity Number: PER20060012

Permit Number: 3039-V0

Air - Title V Regular Permit Major Mod

### EQT204 18-08, GME Thermal Oxidizer No. 1

- 502 Demonstrate initial compliance with the work practice standard in 40 CFR 63.1568(a)(3) by submitting the operation, maintenance, and monitoring plan to DEQ as part of the Notification of Compliance Status. Subpart UUU. [40 CFR 63.1568(b)(6)]
- 503 Submit the Notification of Compliance Status containing the results of the initial compliance demonstration according to the requirements in 40 CFR 63.1574. Subpart UUU. [40 CFR 63.1568(b)(7)]
- 504 Compliance with all the applicable requirements of NSPS, 40 CFR 60, Subpart J is considered compliance with all the applicable requirements of NESHAP, 40 CFR 63.1568(b).
- Subpart UUU. [40 CFR 63.1568(b)(6)]
- 505 Demonstrate continuous compliance with each applicable emission limitation in 40 CFR 63 Subpart UUU Tables 29 and 30 according to the methods specified in 40 CFR 63 Subpart UUU Tables 34 and 35. Subpart UUU. [40 CFR 63.1568(c)(1)]
- 506 Demonstrate continuous compliance with the work practice standard in 40 CFR 63.1568(a)(3) by complying with the procedures in the operation, maintenance and monitoring plan. Subpart UUU. [40 CFR 63.1568(c)(2)]
- 507 Bypass lines (If Option 1 of Table 36 is Applicable): Flow monitored by the regulation's specified method(s) continuously or at least every hour. Use a device (including a flow indicator, level recorder, or electronic valve position monitor) to demonstrate whether flow is present in the bypass line. Install the device at or as near as practical to the entrance to any bypass line. Subpart UUU. [40 CFR 63.1569(a)(1)(i)]
- Which Months: All Year Statistical Basis: None specified
- 508 Bypass lines (If Option 2 of Table 36 is Applicable): Install a car-seal or lock-and-key device placed on the mechanism by which the bypass device flow position is controlled when the bypass device is in the closed position such that the bypass line valve cannot be opened without breaking the seal or removing the device. Subpart UUU. [40 CFR 63.1569(a)(1)(ii)]
- 509 Bypass lines (If Option 3 of Table 36 is Applicable): Seal the bypass line by installing a solid blind between piping flanges. Subpart UUU. [40 CFR 63.1569(a)(1)(iii)]
- 510 Bypass lines (If Option 4 of Table 36 is Applicable): Vent the bypass line to a control device that meets the appropriate requirements in 40 CFR 63 Subpart UUU. Subpart UUU. [40 CFR 63.1569(a)(1)(iv)]
- 511 Bypass lines: If applicable, conduct each performance test according to the requirements in 40 CFR 63.1571 and under the conditions specified in 40 CFR 63 Subpart UUU Table 37. Subpart UUU. [40 CFR 63.1569(b)(1)]
- 512 Bypass lines: Demonstrate initial compliance with each applicable work practice standard in 40 CFR 63 Subpart UUU Table 36 according to 40 CFR 63 Subpart UUU Table 38. Subpart UUU. [40 CFR 63.1569(b)(2)]
- 513 Demonstrate initial compliance with the work practice standard in 40 CFR 63.1569(a)(3) by submitting the operation, maintenance, and monitoring plan to DEQ as part of the Notification of Compliance Status. Subpart UUU. [40 CFR 63.1569(b)(3)]
- 514 Submit the Notification of Compliance Status containing the results of the initial compliance demonstration according to the requirements in 40 CFR 63.1574. Subpart UUU. [40 CFR 63.1569(b)(4)]
- 515 Bypass lines: Demonstrate continuous compliance with each applicable work practice standard in 40 CFR 63.1569(a)(2) by complying with the procedures in the operation, maintenance, and monitoring plan. Subpart UUU. [40 CFR 63.1569(c)(1)]
- 516 Demonstrate continuous compliance with the work practice standard in 40 CFR 63.1569(a)(2) by complying with the procedures in the operation, maintenance, and monitoring plan. Subpart UUU. [40 CFR 63.1569(c)(2)]
- 517 Be in compliance with all of the non-opacity standards in 40 CFR 63 Subpart UUU during the times specified in 40 CFR 63.6(f)(1). Subpart UUU. [40 CFR 63.6(h)(1)]. Subpart UUU. [40 CFR 63.1570(b)]
- 518 If applicable, be in compliance with the opacity and visible emission limits in 40 CFR 63 Subpart UUU during the times specified in 40 CFR 63.6(h)(1). Subpart UUU. [40 CFR 63.1570(c)]
- 519 Operate and maintain the affected source, including air pollution control and monitoring equipment, according to the provisions in 40 CFR 63.6(e)(1). Subpart UUU. [40 CFR 63.1570(d)]
- 520 Develop and implement a written startup, shutdown, and malfunction plan (SSMP) according to the provisions in 40 CFR 63.6(e)(3). Subpart UUU. [40 CFR 63.1570(d)]

## SPECIFIC REQUIREMENTS

AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery

Activity Number: PER20060012

Permit Number: 3039-V0

Air - Title V Regular Permit Major Mod

### EQT204 18-08, GME Thermal Oxidizer No. 1

- 521 Report each instance in which the applicable emission limitations, operating limits, and work practice standards in 40 CFR 63 Subpart UUU were not met according to the requirements in 40 CFR 63.1575. Subpart UUU. [40 CFR 63.1570(f)]
- 522 Submit all of the applicable notifications in 40 CFR 63.6(h), 63.7(b) and (c), 63.8(e), 63.8(f)(4), 63.8(f)(6), and 63.9(b) through (h) by the dates specified, except as allowed in 40 CFR 63.1574(a)(1) through (a)(3). Subpart UUU. [40 CFR 63.1574(a)]
- 523 Include the information in 40 CFR 63 Subpart UUU Table 42 in the notification of compliance status report. Subpart UUU. [40 CFR 63.1574(d)]
- 524 Prepare and implement an operation, maintenance, and monitoring plan for each control system and continuous monitoring system for each affected source. In the plan, detail the operation, maintenance, and monitoring procedures for the facility. Submit the plan to DEQ for review and approval along with the notification of compliance status. Submit any changes to DEQ for review and approval and comply with the plan until the change is approved. Include in each plan, at a minimum, the information specified in 40 CFR 63.1574(f)(2)(i) through (f)(2)(xii). Subpart UUU. [40 CFR 63.1574(f)]
- 525 Submit compliance status report: Due semiannually, by the 31st of January and July. Include the information specified in 40 CFR 63.1575(c) through (j), as applicable. Subpart UUU. [40 CFR 63.1575]
- 526 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in 40 CFR 63.1576(a) through (f). Keep records in a form suitable and readily available for expedited review according to 40 CFR 63.10(b)(1). Keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record, as specified in 40 CFR 63.10(b)(1). Keep each record on site for at least 2 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to 40 CFR 63.10(b)(1). The remaining 3 years may be kept off site. Subpart UUU. [40 CFR 63.1576]

### EQT205 19-08, GME Thermal Oxidizer No. 2

- 527 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1101.B]
- Which Months: All Year Statistical Basis: None specified
- 528 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C]
- Which Months: All Year Statistical Basis: Six-minute average
- 529 Total suspended particulate <= 0.6 lb/MMBTU of heat input. [LAC 33:III.1313.C]
- Which Months: All Year Statistical Basis: None specified
- 530 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]
- 531 Degassing of the liquid sulfur product upstream of the Sulfur Pit as H<sub>2</sub>S is limited to Hydrogen sulfide <= 15 ppmv and recycling of the Sulfur Pit emissions to the SRU inlet. [PSD-LA-719]. [LAC 33:III.509, 40 CFR 52.21]
- Which Months: All Year Statistical Basis: None specified
- 532 Sulfur dioxide <= 93.41 ppmvd @ 0% excess air at the TG TU exhaust outlet. [PSD-LA-719]. [40 CFR 52.21, LAC 33:III.509]
- Which Months: All Year Statistical Basis: Annual average
- 533 Emissions from the TG TU shall be controlled by maintaining an optimized air-fuel ratio which is considered as BACT for PM10, CO, NO<sub>x</sub>, and VOC. NO<sub>x</sub> and VOC emissions are limited to 0.20 lb/MM BTU and 0.0004 lb/MM BTU, respectively. [PSD-LA-719]. [LAC 33:III.509, 40 CFR 52.21]
- 534 Emits Class III toxic air pollutants. No MACT required. [LAC 33:III.5109.A]

## SPECIFIC REQUIREMENTS

AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery  
Activity Number: PER20060012  
Permit Number: 3039-V0  
Air - Title V Regular Permit Major Mod

### #QTR05 19-08, GME Thermal Oxidizer No. 2

- 535 Sulfur dioxide monitored by continuous emission monitor (CEM) continuously. Include an oxygen monitor for correcting the data for excess air. Subpart J. [40 CFR 60.105(a)(3)]
- Which Months: All Year Statistical Basis: None specified
- 536 Discharge or cause the discharge of any gases from a oxidation control unit of a sulfur recovery plant containing Sulfur dioxide > 250 ppm dry basis, 0% excess air. Subpart J. [40 CFR 60.104(a)(i), 40 CFR 60.105(e)(4)]
- Which Months: All Year Statistical Basis: Twelve-hour average
- 537 Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.106, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart J. [40 CFR 60.106(a)]
- 538 Determine compliance with standards using the test methods and procedures specified in 40 CFR 60.106(a) through (k). Subpart J. [40 CFR 60.106]
- 539 Shall comply with all the applicable requirements of reporting and recordkeeping as specified in 40 CFR 60.107. [40 CFR 60.107]
- 540 Permittee shall prepare an operation, maintenance, and monitoring plan according to the requirements of NESHAP, 40 CFR 1574(f) and operate at all times according to the procedures in the plan. Subpart UUU. [40 CFR 63.1568(a)(3)]
- 541 Establish each applicable site-specific operating limit in 40 CFR 63 Subpart UUU Table 30 that applies to you according to the procedures in 40 CFR 63 Subpart UUU Table 32.
- Subpart UUU. [40 CFR 63.1568(b)(3)]
- 542 Demonstrate initial compliance with the work practice standard in 40 CFR 63.1568(a)(3) by submitting the operation, maintenance, and monitoring plan to DEQ as part of the Notification of Compliance Status. Subpart UUU. [40 CFR 63.1568(b)(6)]
- 543 Demonstrate initial compliance with the work practice standard in 40 CFR 63.1568(a)(3) by submitting the operation, maintenance, and monitoring plan to DEQ as part of the initial compliance demonstration according to the requirements in 40 CFR 63.1574. Subpart UUU. [40 CFR 63.1568(b)(7)]
- 544 Compliance with all the applicable requirements of NSPS, 40 CFR 60, Subpart J is considered compliance with all the applicable requirements of NESHAP, 40 CFR 63.1568(b).
- Subpart UUU. [40 CFR 63.1568(b)(7)]
- 545 Demonstrate continuous compliance with each applicable emission limitation in 40 CFR 63 Subpart UUU Tables 29 and 30 according to the methods specified in 40 CFR 63 Subpart UUU Tables 34 and 35. Subpart UUU. [40 CFR 63.1568(c)(1)]
- 546 Demonstrate continuous compliance with the work practice standard in 40 CFR 63.1568(a)(3) by complying with the procedures in the operation, maintenance and monitoring plan. Subpart UUU. [40 CFR 63.1568(c)(2)]
- 547 Bypass lines (If Option 1 of Table 36 is Applicable): Flow monitored by the regulation's specified method(s) continuously or at least every hour. Use a device (including a flow indicator, level recorder, or electronic valve position monitor) to demonstrate whether flow is present in the bypass line. Install the device at or as near as practical to the entrance to any bypass line. Subpart UUU. [40 CFR 63.1569(a)(1)(i)]
- Which Months: All Year Statistical Basis: None specified
- 548 Bypass lines (If Option 2 of Table 36 is Applicable): Install a car-seal or lock-and-key device placed on the mechanism by which the bypass device flow position is controlled when the bypass device is in the closed position such that the bypass line valve cannot be opened without breaking the seal or removing the device. Subpart UUU. [40 CFR 63.1569(a)(1)(ii)]
- 549 Bypass lines (If Option 3 of Table 36 is Applicable): Seal the bypass line by installing a solid blind between piping flanges. Subpart UUU. [40 CFR 63.1569(a)(1)(iii)]
- 550 Bypass lines (If Option 4 of Table 36 is Applicable): Vent the bypass line to a control device that meets the appropriate requirements in 40 CFR 63 Subpart UUU. Subpart UUU. [40 CFR 63.1569(a)(1)(iv)]
- 551 Bypass lines: If applicable, conduct each performance test according to the requirements in 40 CFR 63.1571 and under the conditions specified in 40 CFR 63 Subpart UUU Table 37. Subpart UUU. [40 CFR 63.1569(b)(1)]
- 552 Bypass lines: Demonstrate initial compliance with each applicable work practice standard in 40 CFR 63 Subpart UUU Table 36 according to 40 CFR 63 Subpart UUU Table 38. Subpart UUU. [40 CFR 63.1569(b)(2)]

## SPECIFIC REQUIREMENTS

AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery

Activity Number: PER20060012

Permit Number: 3039-V0

Air - Title V Regular Permit Major Mod

### EQT205 19-08, GME Thermal Oxidizer No. 2

- 553 Demonstrate initial compliance with the work practice standard in 40 CFR 63.1569(a)(3) by submitting the operation, maintenance, and monitoring plan to DEQ as part of the Notification of Compliance Status. Subpart UUU. [40 CFR 63.1569(b)(3)]
- 554 Submit the Notification of Compliance Status containing the results of the initial compliance demonstration according to the requirements in 40 CFR 63.1574. Subpart UUU. [40 CFR 63.1569(b)(4)]
- 555 Bypass lines: Demonstrate continuous compliance with each applicable work practice standard in 40 CFR 63 Subpart UUU Table 36 according to the requirements in 40 CFR 63 Subpart UUU Table 39. Subpart UUU. [40 CFR 63.1569(c)(1)]
- 556 Demonstrate continuous compliance with the work practice standard in 40 CFR 63.1569(a)(2) by complying with the procedures in the operation, maintenance, and monitoring plan. Subpart UUU. [40 CFR 63.1569(c)(2)]
- 557 If applicable, be in compliance with all of the non-opacity standards in 40 CFR 63 Subpart UUU during the times specified in 40 CFR 63.6(f)(1). Subpart UUU. [40 CFR 63.1570(a)]
- 558 Be in compliance with the opacity and visible emission limits in 40 CFR 63 Subpart UUU during the times specified in 40 CFR 63.6(h)(1). Subpart UUU. [40 CFR 63.1570(b)]
- 559 Operate and maintain the affected source, including air pollution control and monitoring equipment, according to the provisions in 40 CFR 63.6(e)(1)(i). Subpart UUU. [40 CFR 63.1570(c)]
- 560 Develop and implement a written startup, shutdown, and malfunction plan (SSMP) according to the provisions in 40 CFR 63.6(e)(3). Subpart UUU. [40 CFR 63.1570(d)]
- 561 Report each instance in which the applicable emission limitations, operating limits, and work practice standards in 40 CFR 63 Subpart UUU were not met according to the requirements in 40 CFR 63.1575. Subpart UUU. [40 CFR 63.1570(f)]
- 562 Submit all of the applicable notifications in 40 CFR 63.6(h), 63.7(b) and (c), 63.8(e), 63.8(f)(4), 63.8(f)(6), and 63.9(b) through (h) by the dates specified, except as allowed in 40 CFR 63.1574(a)(1) through (a)(3). Subpart UUU. [40 CFR 63.1574(a)]
- 563 Include the information in 40 CFR 63 Subpart UUU Table 42 in the notification of compliance status report. Subpart UUU. [40 CFR 63.1574(d)]
- 564 Prepare and implement an operation, maintenance, and monitoring plan for each control system and continuous monitoring system for each affected source. In the plan, detail the operation, maintenance, and monitoring procedures for the facility. Submit the plan to DEQ for review and approval along with the notification of compliance status. Submit any changes to DEQ for review and approval and comply with the plan until the change is approved. Include in each plan, at a minimum, the information specified in 40 CFR 63.1574(f)(2)(i) through (f)(2)(xi). Subpart UUU. [40 CFR 63.1574(f)]
- 565 Submit compliance status report: Due semiannually, by the 31st of January and July. Include the information specified in 40 CFR 63.1575(c) through (j), as applicable. Subpart UUU. [40 CFR 63.1575]
- 566 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in 40 CFR 63.1576(a) through (f). Keep records in a form suitable and readily available for expeditious review according to 40 CFR 63.10(b)(1). Keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record, as specified in 40 CFR 63.10(b)(1). Keep each record on site for at least 2 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to 40 CFR 63.10(b)(1). The remaining 3 years may be kept off site. Subpart UUU. [40 CFR 63.1576]
- 567 Opacity <= 20 percent, except for a combined total of six hours in any 10 consecutive day period, for burning in connection with pressure valve releases for control over process upsets. [LAC 33.III.1105]  
Which Month: All Year Statistical Basis: None specified
- 568 Submit notification: Due to the Office of Environmental Compliance, Emergency and Radiological Services Division, Single Point of Contact (SPOC), as soon as possible after the start of burning of pressure valve releases for control over process upsets. Notify in accordance with LAC 33.I.3923. Notification is required only if the upset cannot be controlled in six hours. [LAC 33.III.1105]

### EQT206 20-08, GME Flare

- 567 Opacity <= 20 percent, except for a combined total of six hours in any 10 consecutive day period, for burning in connection with pressure valve releases for control over process upsets. [LAC 33.III.1105]  
Which Month: All Year Statistical Basis: None specified
- 568 Submit notification: Due to the Office of Environmental Compliance, Emergency and Radiological Services Division, Single Point of Contact (SPOC), as soon as possible after the start of burning of pressure valve releases for control over process upsets. Notify in accordance with LAC 33.I.3923. Notification is required only if the upset cannot be controlled in six hours. [LAC 33.III.1105]

## SPECIFIC REQUIREMENTS

AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery

Activity Number: PER20060012

Permit Number: 3039-V0

Air - Title V Regular Permit Major Mod

### EQT206 20-08, GME Flare

569 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III. Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1.51.3]

570 Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC is considered compliance with all the applicable requirements of LAC 33:III. Chapter 51 and LAC 33:III.2115. [LAC 33:III.2115, LAC 33:III.5109.A]

571 Permittee shall ensure compliance with the opacity emission limits of this permit by visually inspecting the GME Flare, Emission Point 20-08, for opacity on a weekly basis. If visible emissions are detected, then, within three (3) working days, the permittee shall conduct a 6-minute opacity reading in accordance with EPA Reference Method 9. Visible emissions will be considered a violation of the 20% opacity limit. Records of visible emission checks shall include the emission point ID number, the date the visual check was performed, a record if visible emissions were detected, a record and results of any Method 9 testing conducted, and a record of any corrective actions taken. These records shall be kept on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. [LAC 33:III.501.C.6]

572 Fuel gas: Hydrogen sulfide <= 0.1 gr/dscf (230 mg/dscm) or less than 160 ppm on a three hour rolling average. Subpart J. [40 CFR 60.104(a)(1)]

Which Months: All Year Statistical Basis: Three-hour rolling average

573 Hydrogen sulfide monitored by continuous emission monitor (CEM) continuously. Monitor the H<sub>2</sub>S in fuel gases before being burned in any fuel gas combustion device. Subpart J. [40 CFR 60.105(a)(4)]

Which Months: All Year Statistical Basis: None specified

574 Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.106, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart J. [40 CFR 60.106(a)]

575 Determine compliance with standards using the test methods and procedures specified in 40 CFR 60.106(a) through (k). Subpart J. [40 CFR 60.106]

576 Shall comply with all the applicable requirements of reporting and recordkeeping as specified in 40 CFR 60.107. [40 CFR 60.107]

577 Design and operate for no visible emissions, as determined by the methods specified in 40 CFR 60.18(f), except for periods not to exceed a total of 5 minutes during any two consecutive hours. Subpart A. [40 CFR 60.18(c)(1)]

578 Operate with a flame present at all times, as determined by the methods specified in 40 CFR 60.18(f)(2). Subpart A. [40 CFR 60.18(c)(2)]

579 Heat content >= 300 BTU/scf (11.2 MJ/scm). Determine the net heating value of the gas being combusted by the methods specified in 40 CFR 60.18(f)(3). Subpart A. [40 CFR 60.18(c)(3)(ii)]

Which Months: All Year Statistical Basis: None specified

580 Monitor flares to ensure that they are operated and maintained in conformance with their designs. Applicable subparts will provide provisions stating how to monitor flares. Subpart A. [40 CFR 60.18(d)]

581 Operate at all times when emissions may be vented to the flare. Subpart A. [40 CFR 60.18(e)]

582 Presence of a flame monitored by flame monitor continuously. Use a thermocouple or any other equivalent device to detect the presence of a flare pilot flame. Subpart A. [40 CFR 60.18(f)(2)]

Which Months: All Year Statistical Basis: None specified

583 Monitor flares to assure that they are operated and maintained in conformance with their designs. Subpart A. [40 CFR 63.11(b)(1)]

584 Operate at all times when emissions may be vented to the flare. Subpart A. [40 CFR 63.11(b)(3)]

585 Design and operate for no visible emissions, as determined using Test Method 22 in Appendix A of 40 CFR 60, except for periods not to exceed a total of 5 minutes during any two consecutive hours. Subpart A. [40 CFR 63.11(b)(4)]

586 Operate with a flame present at all times. Subpart A. [40 CFR 63.11(b)(5)]

## SPECIFIC REQUIREMENTS

AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery

Activity Number: PER20060012

Permit Number: 3039-V0

Air - Title V Regular Permit Major Mod

### EQT206 20-08, GME Flare

- 587 Presence of a flame monitored by flame monitor continuously. Use a thermocouple or any other equivalent device to detect the presence of a flame. Subpart A. [40 CFR 63.11(b)(5)]  
Which Months: All Year Statistical Basis: None specified  
588 Exit Velocity  $\geq$  60 and  $<$  400 ft/sec (18.3 m/sec and 122 m/sec), as determined by the method specified in 40 CFR 63.11(b)(7)(i). Subpart A. [40 CFR 63.11(b)(7)(ii)]  
Which Months: All Year Statistical Basis: None specified  
589 Reduce emissions of organic HAPs using a flare that meets the requirements of 40 CFR 60.18 and 40 CFR 63.11(b). Subpart CC. [PSD-LA-719]. [40 CFR 63.643(a)(1)]  
590 Organic HAP  $\geq$  98 % reduction by weight, or  $\leq$  20 ppmv, on a dry basis, corrected to 3% oxygen, whichever is less stringent, using a control device. Subpart CC. [40 CFR 63.643(a)(2)]  
Which Months: All Year Statistical Basis: None specified  
591 Group 1: The vent stream shall be introduced into the flame zone. Subpart CC. [40 CFR 63.644(a)(3), 40 CFR 63.643(b)]

### EQT208 21-08, GME Emergency Generator (Dock)

- 592 Opacity  $\leq$  20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1101.B]  
Which Months: All Year Statistical Basis: None specified  
593 Total suspended particulate  $\leq$  0.6 lb/MMBTU of heat input. [LAC 33:III.1313.C]  
Which Months: All Year Statistical Basis: None specified  
594 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:II.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]  
595 Use of Low Sulfur Diesel having a sulfur content of 15 ppmv or less is considered as BACT. [PSD-LA-719]. [LAC 33:III.509, 40 CFR 52.21]

### EQT209 22-08, GME Emergency Generator (Tank Farm)

- 596 Opacity  $\leq$  20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1101.B]  
Which Months: All Year Statistical Basis: None specified  
597 Total suspended particulate  $\leq$  0.6 lb/MMBTU of heat input. [LAC 33:III.1313.C]  
Which Months: All Year Statistical Basis: None specified  
598 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:II.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]  
599 Use of Low Sulfur Diesel having a sulfur content of 15 ppmv or less is considered as BACT. [PSD-LA-719]. [LAC 33:III.509, 40 CFR 52.21]

### EQT210 23-08, GME Platformer Regenerator Vent

- 600 Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart UUU is considered as BACT for Organic and Inorganic HAPs. [PSD-LA-719]. [LAC 33:III.509, 40 CFR 52.21]

## SPECIFIC REQUIREMENTS

AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery

Activity Number: PER200060012

Permit Number: 3039-V0

Air - Title V Regular Permit Major Mod

### EQT210 23-08, GME Platformer Regenerator Vent

- 601 Submit the Notification of Compliance Status containing the results of the initial compliance demonstration according to the requirements in 40 CFR 63.1574. Subpart UUU.  
[40 CFR 63.1567(b)(6)]
- 602 Demonstrate continuous compliance with the work practice standard in 40 CFR 63.1567(a)(3) by maintaining records to document conformance with the procedures in the operation, maintenance and monitoring plan. Subpart UUU. [40 CFR 63.1567(c)(2)]
- 603 Demonstrate initial compliance with the work practice standard in 40 CFR 63.1567(a)(3) by submitting the operation, maintenance, and monitoring plan to DEQ as part of the Notification of Compliance Status. Subpart UUU. [40 CFR 63.1567(c)(2)]
- 604 Bypass lines (If Option 1 of Table 36 is Applicable): Flow monitored by the regulation's specified method(s) continuously or at least every hour. Use a device (including a flow indicator, level recorder, or electronic valve position monitor) to demonstrate whether flow is present in the bypass line. Install the device at or as near as practical to the entrance to any bypass line. Subpart UUU. [40 CFR 63.1569(a)(1)(i)]
- Which Months: All Year Statistical Basis: None specified
- 605 Bypass lines (If Option 2 of Table 36 is Applicable): Install a car-seal or lock-and-key device placed on the mechanism by which the bypass device flow position is controlled when the bypass device is in the closed position such that the bypass line valve cannot be opened without breaking the seal or removing the device. Subpart UUU. [40 CFR 63.1569(a)(1)(ii)]
- 606 Bypass lines (If Option 3 of Table 36 is Applicable): Seal the bypass line by installing a solid blind between piping flanges. Subpart UUU. [40 CFR 63.1569(a)(1)(iii)]
- 607 Bypass lines (If Option 4 of Table 36 is Applicable): Vent the bypass line to a control device that meets the appropriate requirements in 40 CFR 63 Subpart UUU. Subpart UUU. [40 CFR 63.1569(a)(1)(iv)]
- 608 Bypass lines (If Option 1 of Table 36 is Applicable): Conduct each performance test according to the requirements in 40 CFR 63.1571 and under the conditions specified in 40 CFR 63 Subpart UUU Table 37. Subpart UUU. [40 CFR 63.1569(b)(1)]
- 609 Bypass lines: Demonstrate initial compliance with each applicable work practice standard in 40 CFR 63 Subpart UUU Table 36 according to 40 CFR 63 Subpart UUU Table 38. Subpart UUU. [40 CFR 63.1569(b)(2)]
- 610 Bypass lines: Demonstrate continuous compliance with each applicable work practice standard in 40 CFR 63 Subpart UUU Table 36 according to the requirements in 40 CFR 63 Subpart UUU Table 39. Subpart UUU. [40 CFR 63.1569(c)(1)]
- 611 Be in compliance with all of the non-opacity standards in 40 CFR 63 Subpart UUU during the times specified in 40 CFR 63.6(f)(1). Subpart UUU. [40 CFR 63.1570(a)]
- 612 If applicable, be in compliance with the opacity and visible emission limits in 40 CFR 63 Subpart UUU during the times specified in 40 CFR 63.6(n)(1). Subpart UUU. [40 CFR 63.1570(b)]
- 613 Operate and maintain the affected source, including air pollution control and monitoring equipment, according to the provisions in 40 CFR 63.6(e)(1)(i). Subpart UUU. [40 CFR 63.1570(c)]
- 614 Develop and implement a written startup, shutdown, and malfunction plan (SSMP) according to the provisions in 40 CFR 63.6(e)(3). Subpart UUU. [40 CFR 63.1570(d)]
- 615 Report each instance in which the applicable emission limitations, operating limits, and work practice standards in 40 CFR 63 Subpart UUU were not met according to the requirements in 40 CFR 63.1575. Subpart UUU. [40 CFR 63.1570(f)]
- 616 Submit all of the applicable notifications in 40 CFR 63.6(h), 63.7(b) and (c), 63.8(e), 63.8(f)(4), 63.8(f)(6), and 63.9(b) through (h) by the dates specified, except as allowed in 40 CFR 63.1574(a)(1) through (a)(3). Subpart UUU. [40 CFR 63.1574(a)]
- 617 Include the information in 40 CFR 63 Subpart UUU Table 42 in the notification of compliance status report. Subpart UUU. [40 CFR 63.1574(d)]
- 618 Prepare and implement an operation, maintenance, and monitoring plan for each control system and continuous monitoring system for each affected source. In the plan, detail the operation, maintenance, and monitoring procedures for the facility. Submit the plan to DEQ for review and approval along with the notification of compliance status. Submit any changes to DEQ for review and approval and comply with the plan until the change is approved. Include in each plan, at a minimum, the information specified in 40 CFR 63.1574(f)(2)(i) through (f)(2)(xii). Subpart UUU. [40 CFR 63.1574(f)]

## SPECIFIC REQUIREMENTS

AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery

Activity Number: PER20060012

Permit Number: 3039-V0

Air - Title V Regular Permit Major Mod

### EQT210 23-08, GME Platformer Regenerator Vent

- 619 Submit compliance status report: Due semiannually, by the 31st of January and July. Include the information specified in 40 CFR 63.1575(c) through (j), as applicable. Subpart UUU. [40 CFR 63.1575]
- 620 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in 40 CFR 63.1576(a) through (f). Keep records in a form suitable and readily available for expedited review according to 40 CFR 63.10(b)(1). Keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record, as specified in 40 CFR 63.10(b)(1). Keep each record on site for at least 2 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to 40 CFR 63.10(b)(1). The remaining 3 years may be kept off site. Subpart UUU. [40 CFR 63.1576]

### EQT211 24-08, GME Cooling Tower No. 1

- 621 Monthly monitoring of the Heat Exchanger/Cooling Tower for VOC is considered as BACT for controlling VOC emissions from the Cooling Tower. [PSD-LA-719]. [LAC 33:III.509, 40 CFR 52.21]
- 622 Drift rate specified for control of Particulate matter (10 microns or less) <= 0.005 percent of the circulating water rate which is considered as BACT. [PSD-LA-719]. [40 CFR 52.21, LAC 33:III.509]
- Which Months: All Year Statistical Basis: None specified

### EQT212 31-0B, GME Coke Stockpile

- 623 Total suspended particulate <= 79.97 lb/hr. The rate of emission shall be the total of all emission points from the source as per Table 3 of LAC 33:III.1321. [LAC 33:III.1311.B]
- Which Months: All Year Statistical Basis: None specified
- 624 Permittee shall enclose the conveyors, transfer points, coke crusher area, and barge loading area to the maximum extent possible and maintain a minimum moisture content of 8 percent for the petroleum coke as BACT. [PSD-LA-719]. [LAC 33:III.509, 40 CFR 52.21]

### EQT213 32-08, GME Cooling Tower No. 2

- 625 Monthly monitoring of the Heat Exchanger/Cooling Tower for VOC is considered as BACT for controlling VOC emissions from the Cooling Tower. [PSD-LA-719]. [LAC 33:III.509, 40 CFR 52.21]
- 626 Drift rate specified for control of Particulate matter (10 microns or less) <= 0.005 percent of the circulating water rate which is considered as BACT. [PSD-LA-719]. [40 CFR 52.21, LAC 33:III.509]
- Which Months: All Year Statistical Basis: None specified

### EQT214 33A-08, GME A Coker Drum Vent

- 627 Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC is considered compliance with all the applicable requirements of LAC 33:III.2115. [LAC 33:III.2115.B]

### EQT215 33B-08, GME B Coker Drum Vent

- 628 Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC is considered compliance with all the applicable requirements of LAC 33:III.2115. [40 CFR 63.643(b), LAC 33:III.5109.A]

## SPECIFIC REQUIREMENTS

AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery

Activity Number: PER20060012

Permit Number: 3039-V0

Air - Title V Regular Permit Major Mod

### EQT216 48-08, GME Hydrogen Reformer Furnace Flue Gas Vent

629 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1101.B]

Which Months: All Year Statistical Basis: None specified

630 Total suspended particulate <= 0.6 lb/MMBTU of heat input. [LAC 33:III.1313.C]

Which Months: All Year Statistical Basis: None specified

631 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]

632 Conduct a performance/emissions test: Due within 180 days after the startup of the unit. The stack test's purpose is to demonstrate compliance with the emission limits of this permit. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 7E - Determination of Nitrogen Oxides Emissions from Stationary Sources; Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources; Method 5 - Determination of Particulate Emissions from Stationary Sources; Method 6 - Determination of Sulfur Dioxide Emissions from Stationary Sources; and Method 25A or 25B - Determination of Total Gaseous Organic Concentration using a Flame Ionization Analyzer or Nondispersive Infrared Analyzer. Use alternate stack test methods only with the prior approval of the Office of Environmental Assessment, Environmental Technology Division, Engineering Services. As required by LAC 33:III.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits. Other methods in 40 CFR 60.106 may be utilized for the above referenced methods if applicable. If CEMS are installed then the permittee shall use appropriate Specifications of 40 CFR 60, Appendix B and Quality Assurance Procedures of 40 CFR 60, Appendix F to show compliance. [LAC 33:III.501.C.6]

633 Nitrogen dioxide <= 0.0125 lb/MMBTU. Equipped with Ultra Low NOX Burners (UNLB) and Selective Catalytic Reduction (SCR) added as voluntary control. [PSD-LA-719]. [LAC 33:III.509, 40 CFR 52.21]

Which Months: All Year Statistical Basis: Hourly avg maximum

634 Carbon monoxide <= 0.04 lb/MMBTU using refinery fuel gas. [PSD-LA-719]. [LAC 33:III.509, 40 CFR 52.21]

Which Months: All Year Statistical Basis: Hourly avg maximum

635 VOC, Total <= 0.0015 lb/MMBTU. [PSD-LA-719]. [LAC 33:III.509, 40 CFR 52.21]

Which Months: All Year Statistical Basis: Hourly avg maximum

636 Particulate matter (10 microns or less) <= 0.0075 lb/MMBTU with optimum burner design and utilization of refinery fuel gas. [PSD-LA-719]. [LAC 33:III.509, 40 CFR 52.21]

Which Months: All Year Statistical Basis: Hourly avg maximum

637 Hydrogen sulfide <= 25 ppmv. Sulfur content based on H2S. [PSD-LA-719]. [LAC 33:III.509, 40 CFR 52.21]

Which Months: All Year Statistical Basis: Annual average

638 Fuel gas: Hydrogen sulfide <= 0.1 gr/dscf (230 mg/dscm) or less than 160 ppm on a three hour rolling average. Subpart J. [40 CFR 60.104(a)(1)]

Which Months: All Year Statistical Basis: Three-hour rolling average

639 Hydrogen sulfide monitored by continuous emission monitor (CEM) continuously. Monitor the H2S in fuel gases before being burned in any fuel gas combustion device. Subpart J. [40 CFR 60.105(a)(4)]

Which Months: All Year Statistical Basis: None specified

640 Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.106, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart J. [40 CFR 60.106(a)]

641 Determine compliance with standards using the test methods and procedures specified in 40 CFR 60.106(a) through (k). Subpart J. [40 CFR 60.106]

642 Shall comply with all the applicable requirements of reporting and recordkeeping as specified in 40 CFR 60.107. [40 CFR 60.107]

643 Comply with 40 CFR 63 Subpart DDDDD by November 12, 2004 or upon startup, whichever is later. Subpart DDDDD. [40 CFR 63.7495(a)]

644 Comply with 40 CFR 63 Subpart DDDDD upon startup. Subpart DDDDD. [40 CFR 63.7495(c)(1)]

## SPECIFIC REQUIREMENTS

AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery

Activity Number: PER20060012

Permit Number: 3039-V0

Air - Title V Regular Permit Major Mod

### EQT216 48-08, GME Hydrogen Reformer Furnace Flue Gas Vent

- 645 Carbon monoxide <= 400 ppmv (dry basis) corrected to 3% oxygen. Subpart DDDDD. [40 CFR 63.7500(a)(1)].  
Which Months: All Year Statistical Basis: None specified
- 646 Be in compliance with the emission limits (including operating limits) and work practice standards in 40 CFR 63 Subpart DDDDD at all times, except during periods of startup, shutdown, and malfunction. Subpart DDDDD. [40 CFR 63.7505(a)]
- 647 Demonstrate compliance with any applicable emission limit using performance testing. Fuel analysis may be used if the emission rate calculated according to 40 CFR 63.7530(d) is less than the applicable emission limit. Subpart DDDDD. [40 CFR 63.7505(c)]
- 648 Develop a site-specific monitoring plan according to the requirements in 40 CFR 63.7505(d)(1) through (d)(4). Subpart DDDDD. [40 CFR 63.7505(d)]
- 649 Develop and implement a written startup, shutdown and malfunction plan (SSMMP) according to the provisions in 40 CFR 63.6(e)(3). Subpart DDDDD. [40 CFR 63.7505(e)]
- 650 Demonstrate initial compliance with the promulgated emission limits and work practice standards no later than 180 days after startup. Subpart DDDDD. [40 CFR 63.7510(g)]
- 651 Carbon monoxide monitored by continuous emission monitor (CEM) continuously, according to the procedures in 40 CFR 63.7525(a)(1) through (a)(6) by the compliance date specified in 40 CFR 63.7495. Subpart DDDDD. [40 CFR 63.7525(a)]  
Which Months: All Year Statistical Basis: None specified
- 652 Report each instance in which emission limits, operating limits, and work practice standards in 40 CFR 63 Subpart DDDDD Tables 1 through 4 are not met; and each instance during a startup, shutdown or malfunction when emission limits, operating limits, and work practice standards are not met. Report according to the requirements in 40 CFR 63.7550. Subpart DDDDD. [40 CFR 63.7540(b)]
- 653 Submit compliance status report: Due semiannually, by the 31st of January and July. Submit the compliance report according to 40 CFR 63.7550(b)(1) through (b)(5). Include the information specified in 40 CFR 63.7550(c) through (e), as applicable. Subpart DDDDD. [40 CFR 63.7550]
- 654 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in 40 CFR 63.7555(a) through (e), as applicable. Subpart DDDDD. [40 CFR 63.7555]
- 655 Keep records in a form suitable and readily available for expeditious review, according to 40 CFR 63.10(b)(1). Subpart DDDDD. [40 CFR 63.7560(a)]
- 656 Keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record and keep on site for at least 2 years, as specified in 40 CFR 63.10(b)(1). Subpart DDDDD. [40 CFR 63.7560]

### EQT217 49-08, GME Hydrogen Plant Steam Vent

- 657 Emits Class III toxic air pollutant. No MACT required. [LAC 33:III.5109.A]

### EQT218 50-08, GME Hydrogen Plant Deaerator Vent

- 658 Emits Class III toxic air pollutant. No MACT required. [LAC 33:III.5109.A]

### EQT219 52-08, GME Hydrogen Plant Flare

- 659 Opacity <= 20 percent, except for a combined total of six hours in any 10 consecutive day period, for burning in connection with pressure valve releases for control over process upsets. [LAC 33:III.1105]  
Which Months: All Year Statistical Basis: None specified
- 660 Submit notification: Due to the Office of Environmental Compliance, Emergency and Radiological Services Division, Single Point of Contact (SPOC), as soon as possible after the start of burning of pressure valve releases for control over process upsets. Notify in accordance with LAC 33:1.3923. Notification is required only if the upset cannot be controlled in six hours. [LAC 33:III.1105]

## SPECIFIC REQUIREMENTS

AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery

Activity Number: PER20060012

Permit Number: 3039-V0

Air - Title V Regular Permit Major Mod

### EQT219 52-08, GME Hydrogen Plant Flare

- 661 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.15.3]
- 662 Permittee shall ensure compliance with the opacity emission limits of this permit by visually inspecting the GME Hydrogen Plant Flare, Emission Point 52-08, for opacity on a weekly basis. If visible emissions are detected, then, within three (3) working days, the permittee shall conduct a 6-minute opacity reading in accordance with EPA Reference Method 9. Visible emissions will be considered a violation of the 20% opacity limit. Records of visible emission checks shall include the emission point ID number, the date the visual check was performed, a record if visible emissions were detected, a record and results of any Method 9 testing conducted, and a record of any corrective actions taken. These records shall be kept on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. [LAC 33:III.501.C.6]
- 663 Emits Class III toxic air pollutant. No MACT required. [LAC 33:III.5109.A]
- 664 Fuel gas: Hydrogen sulfide <= 0.1 gr/dscf (230 mg/dscm) or less than 160 ppm on a three hour rolling average. Subpart J. [40 CFR 60.104(a)(1)]
- Which Months: All Year Statistical Basis: Three-hour rolling average
- 665 Hydrogen sulfide monitored by continuous emission monitor (CEM) continuously. Monitor the H<sub>2</sub>S in fuel gases before being burned in any fuel gas combustion device. Subpart J. [40 CFR 60.105(a)(4)]
- Which Months: All Year Statistical Basis: None specified
- 666 Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.106, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart J. [40 CFR 60.106(a)]
- 667 Determine compliance with standards using the test methods and procedures specified in 40 CFR 60.106(a) through (k). Subpart J. [40 CFR 60.106]
- 668 Shall comply with all the applicable requirements of reporting and recordkeeping as specified in 40 CFR 60.107. [40 CFR 60.107]
- 669 Design and operate for no visible emissions, as determined by the methods specified in 40 CFR 60.18(f), except for periods not to exceed a total of 5 minutes during any two consecutive hours. Subpart A. [40 CFR 60.18(c)(1)]
- 670 Operate with a flame present at all times, as determined by the methods specified in 40 CFR 60.18(f)(2). Subpart A. [40 CFR 60.18(c)(2)]
- 671 Heat content >= 300 BTU/scf (11.2 MJ/scm). Determine the net heating value of the gas being combusted by the methods specified in 40 CFR 60.18(f)(3). Subpart A. [40 CFR 60.18(c)(3)(ii)]
- Which Months: All Year Statistical Basis: None specified
- 672 Monitor flares to ensure that they are operated and maintained in conformance with their designs. Applicable subparts will provide provisions stating how to monitor flares.
- Subpart A. [40 CFR 60.18(d)]
- 673 Operate at all times when emissions may be vented to the flare. Subpart A. [40 CFR 60.18(e)]
- 674 Presence of a flame monitored by flame monitor continuously. Use a thermocouple or any other equivalent device to detect the presence of a flare pilot flame. Subpart A. [40 CFR 60.18(f)(2)]
- Which Months: All Year Statistical Basis: None specified

### EQT220 53-08, GME Hydrogen Plant Cooling Tower

- 675 Monthly monitoring of the Heat Exchanger/Cooling Tower for VOC is considered as BACT for controlling VOC emissions from the Cooling Tower. [PSD-LA-719]. [LAC 33:III.509, 40 CFR 52.21]
- 676 Drift rate specified for control of Particulate matter (10 microns or less) <= 0.005 percent of the circulating water rate which is considered as BACT. [PSD-LA-719]. [40 CFR 52.21, LAC 33:III.509]
- Which Months: All Year Statistical Basis: None specified

## SPECIFIC REQUIREMENTS

AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery

Activity Number: PER20060012

Permit Number: 3039-V0

Air - Title V Regular Permit Major Mod

### FUG052 51-08, GME Hydrogen Plant Fugitives

- 677 Equip all rotary pumps and compressors handling volatile organic compounds having a true vapor pressure of 1.5 psia or greater at handling conditions with mechanical seals or other equivalent equipment. [LAC 33:III.211.1]
- 678 Repair according to LAC 33:III.2121.B.3 any regulated component observed leaking by sight, sound, or smell, regardless of the leak's concentration. [LAC 33:III.2121.B.1]
- 679 Do not locate any valve, except safety pressure relief valves, valves on sample lines, valves on drain lines and valves that can be removed and replaced without a shutdown, at the end of a pipe or line containing VOC unless the end of such line is sealed with a second valve, a blind flange, a plug, or a cap. Remove such sealing devices only when the line is in use, for example, when a sample is being taken. When the line has been used and is subsequently resealed, close the upstream valve first, followed by the sealing device. [LAC 33:III.2121.B.2]
- 680 Make every reasonable effort to repair a leaking component, as described in LAC 33:III.2121.B, within 15 days, except as provided. [LAC 33:III.2121.B.3]
- 681 Pump seals: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 annually (one time per year). If a reading of 10,000 ppmv or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in LAC 33:III.2121.B.3. [LAC 33:III.2121.C.1.a.i]
- Which Months: All Year Statistical Basis: None specified
- 682 Valves in liquid service: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 annually (one time per year). If a reading of 10,000 ppmv or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in LAC 33:III.2121.C.1.a.ii]
- Which Months: All Year Statistical Basis: None specified
- 683 Process drains: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 annually (one time per year). If a reading of 10,000 ppmv or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in LAC 33:III.2121.B.3. [LAC 33:III.2121.C.1.a.iii]
- Which Months: All Year Statistical Basis: None specified
- 684 Compressor seals: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 quarterly (four times per year). If a reading of 10,000 ppmv or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in LAC 33:III.2121.B.3. [LAC 33:III.2121.C.1.b.i]
- Which Months: All Year Statistical Basis: None specified
- 685 Valves in gas service: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 quarterly (four times per year). If a reading of 10,000 ppmv or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in LAC 33:III.2121.B.3. Permittee may elect to comply with the alternate standards for valves in LAC 33:III.2121.D (skip period provisions). [LAC 33:III.2121.C.1.b.ii]
- Which Months: All Year Statistical Basis: None specified
- 686 Pressure relief valves in gas service: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 quarterly (four times per year). If a reading of 10,000 ppmv or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in LAC 33:III.2121.B.3. [LAC 33:III.2121.C.1.b.iii]
- Which Months: All Year Statistical Basis: None specified
- 687 Pumps: Seal or closure mechanism monitored by visual inspection/determination weekly (52 times per year). [LAC 33:III.2121.C.1.c]
- Which Months: All Year Statistical Basis: None specified
- 688 Pressure relief valves: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 within 24 hours after venting to the atmosphere. If a reading of 10,000 ppmv or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in LAC 33:III.2121.B.3. [LAC 33:III.2121.C.3.a]
- Which Months: All Year Statistical Basis: None specified
- 689 All components: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 upon each occurrence of a leak detected by sight, smell, or sound, unless electing to implement actions as specified in LAC 33:III.2121.B.3. [LAC 33:III.2121.C.3.b]
- Which Months: All Year Statistical Basis: None specified
- 690 Inaccessible valves: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 annually (at a minimum). [LAC 33:III.2121.C.4.c]
- Which Months: All Year Statistical Basis: None specified

## SPECIFIC REQUIREMENTS

AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery

Activity Number: PER20060012

Permit Number: 3039-V0

Air - Title V Regular Permit Major Mod

### **FUG052 51-08, GME Hydrogen Plant Fugitives**

691 Unsafe-to-monitor valves: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 upon each occurrence of conditions allowing these valves to be monitored safely. [LAC 33:III.2121.C.4.c]

692 Which Months: All Year Statistical Basis: None specified

692 When a leak that cannot be repaired on-line and in-place is located, affix to the leaking component a weatherproof and readily visible tag bearing an identification number and the date the leak is located. Date and remove the tag after the leak is repaired. [LAC 33:III.2121.E.1]

693 Equipment/operational data recordkeeping by survey log upon each occurrence of a leak. Include the leaking component information specified in LAC 33:III.2121.E.2. Retain the survey log for two years after the latter date specified in LAC 33:III.2121.E.2 and make said log available to DEQ upon request. [LAC 33:III.2121.E]

694 Submit report: Due semiannually, by the 31st of January and July, to the Office of Environmental Assessment, Air Quality Assessment Division. Include the information specified in LAC 33:III.2121.F.1 through 4 for each calendar quarter during the reporting period. [LAC 33:III.2121.F]

695 Permittee shall comply with the most stringent regulation program and the with the requirements of the Consent Decree for equipment leak definition. See Specific Condition No. 1 of the "STATE ONLY SPECIFIC CONDITIONS". [PSD-LA-719]. [LAC 33:III.509, 40 CFR 52.21]

696 Emits Class III toxic air pollutant. No MACT required. [LAC 33:III.5109.A]

### **FUG053 Unit 205 Fug., GME Delayed Coker Unit Fugitives**

697 Equip all rotary pumps and compressors handling volatile organic compounds having a true vapor pressure of 1.5 psia or greater at handling conditions with mechanical seals or other equivalent equipment. [LAC 33:III.2111]

698 Permittee shall comply with the most stringent regulation program and the with the requirements of the Consent Decree for equipment leak definition. See Specific Condition No. 1 of the "STATE ONLY SPECIFIC CONDITIONS". [PSD-LA-719]. [LAC 33:III.509, 40 CFR 52.21]

699 Compliance with all the applicable requirements of LAC 33:III.Chapter 51 - Louisiana MACT Determination for Refinery Equipment Leaks dated July 26, 1994 is deemed as compliance with NESHAP, Subpart CC - HAPs from Refineries; NSPS, 40 CFR 60, Subpart GGG - Equipment Leaks of VOC in Petroleum Rfineries; and LAC 33:III.2121 - Fugitive Emission Control. [40 CFR 60.590, LAC 33:III.5109.A, 40 CFR 63.648]

### **FUG054 Unit 205A Fug., GME Coker Gas Plant Fugitives**

700 Equip all rotary pumps and compressors handling volatile organic compounds having a true vapor pressure of 1.5 psia or greater at handling conditions with mechanical seals or other equivalent equipment. [LAC 33:III.2111]

701 Permittee shall comply with the most stringent regulation program and the with the requirements of the Consent Decree for equipment leak definition. See Specific Condition No. 1 of the "STATE ONLY SPECIFIC CONDITIONS". [PSD-LA-719]. [LAC 33:III.509, 40 CFR 52.21]

702 Compliance with all the applicable requirements of LAC 33:III.Chapter 51 - Louisiana MACT Determination for Refinery Equipment Leaks dated July 26, 1994 is deemed as compliance with NESHAP, Subpart CC - HAPs from Refineries; NSPS, 40 CFR 60, Subpart GGG - Equipment Leaks of VOC in Petroleum Rfineries; and LAC 33:III.2121 - Fugitive Emission Control. [40 CFR 63.648, LAC 33:III.5109.A, LAC 33:III.2121, 40 CFR 60.590]

### **FUG055 Unit 210 Fug., GME Crude/Vacuum Distillation Unit Fugitives**

703 Equip all rotary pumps and compressors handling volatile organic compounds having a true vapor pressure of 1.5 psia or greater at handling conditions with mechanical seals or other equivalent equipment. [LAC 33:III.2111]

704 Permittee shall comply with the most stringent regulation program and the with the requirements of the Consent Decree for equipment leak definition. See Specific Condition No. 1 of the "STATE ONLY SPECIFIC CONDITIONS". [PSD-LA-719]. [LAC 33:III.509, 40 CFR 52.21]

## SPECIFIC REQUIREMENTS

AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery

Activity Number: PER20060012

Permit Number: 3039-Y0

Air - Title V Regular Permit Major Mod

### **FUG055 Unit 210 Fug., GME Crude/Vacuum Distillation Unit Fugitives**

705 Compliance with all the applicable requirements of LAC 33:III:Chapter 51 - Louisiana MACT Determination for Refinery Equipment Leaks dated July 26, 1994 is deemed as compliance with NESHAP, Subpart CC - HAPs from Refineries; NSPS, 40 CFR 60, Subpart GGG - Equipment Leaks of VOC in Petroleum Refineries; and LAC 33.III.2121 - Fugitive Emission Control. [40 CFR 63.648, LAC 33:III.5109.A, LAC 33:III.2121, 40 CFR 60.590]

### **FUG056 Unit 211 Fug., GME Naphtha Hydrotreater Unit Fugitives**

706 Equip all rotary pumps and compressors handling volatile organic compounds having a true vapor pressure of 1.5 psia or greater at handling conditions with mechanical seals or other equivalent equipment. [LAC 33:III.2111]  
707 Permittee shall comply with the most stringent regulation program and the with the requirements of the Consent Decree for equipment leak definition. See Specific Condition No. 1 of the "STATE ONLY SPECIFIC CONDITIONS". [PSD-LA-719]. [LAC 33:III.509, 40 CFR 52.21]

708 Compliance with all the applicable requirements of LAC 33:III:Chapter 51 - Louisiana MACT Determination for Refinery Equipment Leaks dated July 26, 1994 is deemed as compliance with NESHAP, Subpart CC - HAPs from Refineries; NSPS, 40 CFR 60, Subpart GGG - Equipment Leaks of VOC in Petroleum Refineries; and LAC 33.III.2121 - Fugitive Emission Control. [40 CFR 63.648, LAC 33:III.5109.A, LAC 33:III.2121, 40 CFR 60.590]

### **FUG057 Unit 212 Fug., GME CCR Platformer Unit Fugitives**

709 Equip all rotary pumps and compressors handling volatile organic compounds having a true vapor pressure of 1.5 psia or greater at handling conditions with mechanical seals or other equivalent equipment. [LAC 33:III.2111]  
710 Permittee shall comply with the most stringent regulation program and the with the requirements of the Consent Decree for equipment leak definition. See Specific Condition No. 1 of the "STATE ONLY SPECIFIC CONDITIONS". [PSD-LA-719]. [LAC 33:III.509, 40 CFR 52.21]

711 Compliance with all the applicable requirements of LAC 33:III:Chapter 51 - Louisiana MACT Determination for Refinery Equipment Leaks dated July 26, 1994 is deemed as compliance with NESHAP, Subpart CC - HAPs from Refineries; NSPS, 40 CFR 60, Subpart GGG - Equipment Leaks of VOC in Petroleum Refineries; and LAC 33.III.2121 - Fugitive Emission Control. [40 CFR 63.648, LAC 33:III.5109.A, LAC 33:III.2121, 40 CFR 60.590]

### **FUG058 Unit 212A Fug., GME Platformer Unit (Perchloroethylene) Fugitives**

712 Equip all rotary pumps and compressors handling volatile organic compounds having a true vapor pressure of 1.5 psia or greater at handling conditions with mechanical seals or other equivalent equipment. [LAC 33:III.2111]  
713 Permittee shall comply with the most stringent regulation program and the with the requirements of the Consent Decree for equipment leak definition. See Specific Condition No. 1 of the "STATE ONLY SPECIFIC CONDITIONS". [PSD-LA-719]. [LAC 33:III.509, 40 CFR 52.21]

714 Compliance with all the applicable requirements of LAC 33:III:Chapter 51 - Louisiana MACT Determination for Refinery Equipment Leaks dated July 26, 1994 is deemed as compliance with NESHAP, Subpart CC - HAPs from Refineries; NSPS, 40 CFR 60, Subpart GGG - Equipment Leaks of VOC in Petroleum Refineries; and LAC 33.III.2121 - Fugitive Emission Control. [40 CFR 63.648, LAC 33:III.5109.A, LAC 33:III.2121, 40 CFR 60.590]

### **FUG059 Unit 214 Fug., GME Kerosene Hydrotreater Unit Fugitives**

715 Equip all rotary pumps and compressors handling volatile organic compounds having a true vapor pressure of 1.5 psia or greater at handling conditions with mechanical seals or other equivalent equipment. [LAC 33:III.2111]  
716 Compliance with all the applicable requirements of NSPS, 40 CFR 60, Subpart GGG - Equipment Leaks of VOC in Petroleum Refinery is deemed as compliance with LAC 33.III.2121 - Fugitive Emission Control. [LAC 33:III.2121, 40 CFR 60.590]

## SPECIFIC REQUIREMENTS

AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery

Activity Number: PER20060012

Permit Number: 3039-V0

Air - Title V Regular Permit Major Mod

### **FUG059 Unit 214 Fug., GME Kerosene Hydrotreater Unit Fugitives**

- 717 Permittee shall comply with the most stringent regulation program and the with the requirements of the Consent Decree for equipment leak definition. See Specific Condition No. 1 of the "STATE ONLY SPECIFIC CONDITIONS". [PSD-LA-719]. [LAC 33:III.509, 40 CFR 52.21]  
718 Comply with the requirements of 40 CFR 60.482-1 to 482-10 as soon as practicable, but no later than 180 days after initial startup. Subpart GGG. [40 CFR 60.592(a)]  
719 Comply with the provisions of 40 CFR 60.485 except as provided in 40 CFR 60.593. Subpart GGG. [40 CFR 60.592(d)]  
720 Comply with the provisions of 40 CFR 60.486 and 60.487. Subpart GGG. [40 CFR 60.592(e)]

### **FUG060 Unit 215 Fug., GME Hydrocracker Fugitives**

- 721 Equip all rotary pumps and compressors handling volatile organic compounds having a true vapor pressure of 1.5 psia or greater at handling conditions with mechanical seals or other equivalent equipment. [LAC 33:III.2111]  
722 Permittee shall comply with the most stringent regulation program and the with the requirements of the Consent Decree for equipment leak definition. See Specific Condition No. 1 of the "STATE ONLY SPECIFIC CONDITIONS". [PSD-LA-719]. [LAC 33:III.509, 40 CFR 52.21]  
723 Compliance with all the applicable requirements of LAC 33:III Chapter 51 - Louisiana MACT Determination for Refinery Equipment Leaks dated July 26, 1994 is deemed as compliance with NESHAP, Subpart CC - HAPs from Refineries; NSPS, 40 CFR 60, Subpart GGG - Equipment Leaks of VOC in Petroleum Rfineries; and LAC 33.III.2121 - Fugitive Emission Control. [40 CFR 63.648, LAC 33:III.5109.A, LAC 33:III.2121, 40 CFR 60.590]

### **FUG061 Unit 220 Fug., GME Sulfur Recovery Plant No. 1 Fugitives**

- 724 Equip all rotary pumps and compressors handling volatile organic compounds having a true vapor pressure of 1.5 psia or greater at handling conditions with mechanical seals or other equivalent equipment. [LAC 33:III.2111]  
725 Permittee shall comply with the most stringent regulation program and the with the requirements of the Consent Decree for equipment leak definition. See Specific Condition No. 1 of the "STATE ONLY SPECIFIC CONDITIONS". [PSD-LA-719]. [LAC 33:III.509, 40 CFR 52.21]

### **FUG062 Unit 221 Fug., GME Tail Gas Amine Regeneration for SRU No. 1 Fugitives**

- 726 Equip all rotary pumps and compressors handling volatile organic compounds having a true vapor pressure of 1.5 psia or greater at handling conditions with mechanical seals or other equivalent equipment. [LAC 33:III.2111]  
727 Compliance with all the applicable requirements of NSPS, 40 CFR 60, Subpart GGG - Equipment Leaks of VOC in Petroleum Refinery is deemed as compliance with LAC 33.III.2121 - Fugitive Emission Control. [LAC 33:III.2121, 40 CFR 60.590]  
728 Permittee shall comply with the most stringent regulation program and the with the requirements of the Consent Decree for equipment leak definition. See Specific Condition No. 1 of the "STATE ONLY SPECIFIC CONDITIONS". [PSD-LA-719]. [LAC 33:III.509, 40 CFR 52.21]  
729 Comply with the requirements of 40 CFR 60.482-1 to 482-10 as soon as practicable, but no later than 180 days after initial startup. Subpart GGG. [40 CFR 60.592(a)]  
730 Comply with the provisions of 40 CFR 60.485 except as provided in 40 CFR 60.593. Subpart GGG. [40 CFR 60.592(d)]  
731 Comply with the provisions of 40 CFR 60.486 and 60.487. Subpart GGG. [40 CFR 60.592(e)]

### **FUG063 Unit 222 Fug., GME Saturates Gas Plant Fugitives**

- 732 Equip all rotary pumps and compressors handling volatile organic compounds having a true vapor pressure of 1.5 psia or greater at handling conditions with mechanical seals or other equivalent equipment. [LAC 33:III.2111]

## SPECIFIC REQUIREMENTS

AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery

Activity Number: PER20060012

Permit Number: 3039-V0

Air - Title V Regular Permit Major Mod

### FUG063

#### **Unit 222 Fug., GME Saturates Gas Plant Fugitives**

- 733 Permittee shall comply with the most stringent regulation program and the with the requirements of the Consent Decree for equipment leak definition. See Specific Condition No. 1 of the "STATE ONLY SPECIFIC CONDITIONS". [PSD-LA-719]. [LAC 33:III.509, 40 CFR 52.21]
- 734 Compliance with all the applicable requirements of LAC 33:III Chapter 51 - Louisiana MACT Determination for Refinery Equipment Leaks dated July 26, 1994 is deemed as compliance with NESHAP, Subpart CC - HAPs from Refineries; NSPS, 40 CFR 60, Subpart GGG - Equipment Leaks of VOC in Petroleum Rfineries; and LAC 33.III.2121 - Fugitive Emission Control. [40 CFR 63.648, LAC 33.III.5109.A, LAC 33.III.2121, 40 CFR 60.590]

### FUG064

#### **Unit 222A Fug., GME Sat Propane Merrox Unit Fugitives**

- 735 Equip all rotary pumps and compressors handling volatile organic compounds having a true vapor pressure of 1.5 psia or greater at handling conditions with mechanical seals or other equivalent equipment. [LAC 33:III.2111]
- 736 Compliance with all the applicable requirements of NSPS, 40 CFR 60, Subpart GGG - Equipment Leaks of VOC in Petroleum Refinery is deemed as compliance with LAC 33.III.2121 - Fugitive Emission Control. [LAC 33:III.2121, 40 CFR 60.590]
- 737 Permittee shall comply with the most stringent regulation program and the with the requirements of the Consent Decree for equipment leak definition. See Specific Condition No. 1 of the "STATE ONLY SPECIFIC CONDITIONS". [PSD-LA-719]. [LAC 33:III.509, 40 CFR 52.21]
- 738 Comply with the requirements of 40 CFR 60.482-1 to 482-10 as soon as practicable, but no later than 180 days after initial startup. Subpart GGG. [40 CFR 60.592(a)]
- 739 Comply with the provisions of 40 CFR 60.485 except as provided in 40 CFR 60.593. Subpart GGG. [40 CFR 60.592(d)]
- 740 Comply with the provisions of 40 CFR 60.486 and 60.487. Subpart GGG. [40 CFR 60.592(e)]

### FUG065

#### **Unit 222B Fug., GME Sat Butane Merrox Unit Fugitives**

- 741 Equip all rotary pumps and compressors handling volatile organic compounds having a true vapor pressure of 1.5 psia or greater at handling conditions with mechanical seals or other equivalent equipment. [LAC 33:III.2111]
- 742 Compliance with all the applicable requirements of NSPS, 40 CFR 60, Subpart GGG - Equipment Leaks of VOC in Petroleum Refinery is deemed as compliance with LAC 33.III.2121 - Fugitive Emission Control. [LAC 33:III.2121, 40 CFR 60.590]
- 743 Permittee shall comply with the most stringent regulation program and the with the requirements of the Consent Decree for equipment leak definition. See Specific Condition No. 1 of the "STATE ONLY SPECIFIC CONDITIONS". [PSD-LA-719]. [LAC 33:III.509, 40 CFR 52.21]
- 744 Comply with the requirements of 40 CFR 60.482-1 to 482-10 as soon as practicable, but no later than 180 days after initial startup. Subpart GGG. [40 CFR 60.592(a)]
- 745 Comply with the provisions of 40 CFR 60.485 except as provided in 40 CFR 60.593. Subpart GGG. [40 CFR 60.592(d)]
- 746 Comply with the provisions of 40 CFR 60.486 and 60.487. Subpart GGG. [40 CFR 60.592(e)]

### FUG066

#### **Unit 232 Fug., GME Tail Gas Amine Regeneration for SRU No. 2 Fugitives**

- 747 Equip all rotary pumps and compressors handling volatile organic compounds having a true vapor pressure of 1.5 psia or greater at handling conditions with mechanical seals or other equivalent equipment. [LAC 33:III.2111]
- 748 Compliance with all the applicable requirements of NSPS, 40 CFR 60, Subpart GGG - Equipment Leaks of VOC in Petroleum Refinery is deemed as compliance with LAC 33.III.2121 - Fugitive Emission Control. [LAC 33:III.2121, 40 CFR 60.590]
- 749 Permittee shall comply with the most stringent regulation program and the with the requirements of the Consent Decree for equipment leak definition. See Specific Condition No. 1 of the "STATE ONLY SPECIFIC CONDITIONS". [PSD-LA-719]. [LAC 33:III.509, 40 CFR 52.21]
- 750 Comply with the requirements of 40 CFR 60.482-1 to 482-10 as soon as practicable, but no later than 180 days after initial startup. Subpart GGG. [40 CFR 60.592(a)]

## SPECIFIC REQUIREMENTS

All ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery

Activity Number: PER200060012

Permit Number: 3039-V0

Air - Title V Regular Permit Major Mod

### **FUG066 Unit 232 Fug., GME Tail Gas Amine Regeneration for SRU No. 2 Fugitives**

- 751 Comply with the provisions of 40 CFR 60.485 except as provided in 40 CFR 60.593. Subpart GGG. [40 CFR 60.592(d)]  
752 Comply with the provisions of 40 CFR 60.486 and 60.487. Subpart GGG. [40 CFR 60.592(e)]

### **FUG067 Unit 233 Fug., GME Sour Water Stripper Unit Fugitives**

- 753 Equip all rotary pumps and compressors handling volatile organic compounds having a true vapor pressure of 1.5 psia or greater at handling conditions with mechanical seals or other equivalent equipment. [LAC 33:III.2111]  
754 Compliance with all the applicable requirements of NSPS, 40 CFR 60, Subpart GGG - Equipment Leaks of VOC in Petroleum Refinery is deemed as compliance with LAC 33.III.2121 - Fugitive Emission Control. [LAC 33:III.2121, 40 CFR 60.590]  
755 Permittee shall comply with the most stringent regulation program and the with the requirements of the Consent Decree for equipment leak definition. See Specific Condition No. 1 of the "STATE ONLY SPECIFIC CONDITIONS". [PSD-LA-719]. [LAC 33:III.509, 40 CFR 52.21]  
756 Comply with the requirements of 40 CFR 60.482-1 to 482-10 as soon as practicable, but no later than 180 days after initial startup. Subpart GGG. [40 CFR 60.592(a)]  
757 Comply with the provisions of 40 CFR 60.485 except as provided in 40 CFR 60.593. Subpart GGG. [40 CFR 60.592(d)]  
758 Comply with the provisions of 40 CFR 60.486 and 60.487. Subpart GGG. [40 CFR 60.592(e)]

### **FUG068 Unit 234 Fug., GME Sulfur Recovery Plant No. 2 Fugitives**

- 759 Equip all rotary pumps and compressors handling volatile organic compounds having a true vapor pressure of 1.5 psia or greater at handling conditions with mechanical seals or other equivalent equipment. [LAC 33:III.2111]  
760 Permittee shall comply with the most stringent regulation program and the with the requirements of the Consent Decree for equipment leak definition. See Specific Condition No. 1 of the "STATE ONLY SPECIFIC CONDITIONS". [PSD-LA-719]. [LAC 33:III.509, 40 CFR 52.21]

### **FUG069 Unit 241 Fug., GME Intermediate Product Unit Fugitives**

- 761 Equip all rotary pumps and compressors handling volatile organic compounds having a true vapor pressure of 1.5 psia or greater at handling conditions with mechanical seals or other equivalent equipment. [LAC 33:III.2111]  
762 Permittee shall comply with the most stringent regulation program and the with the requirements of the Consent Decree for equipment leak definition. See Specific Condition No. 1 of the "STATE ONLY SPECIFIC CONDITIONS". [PSD-LA-719]. [LAC 33:III.509, 40 CFR 52.21]  
763 Compliance with all the applicable requirements of LAC 33:III.Chapter 51 - Louisiana MACT Determination for Refinery Equipment Leaks dated July 26, 1994 is deemed as compliance with NESHAP, Subpart CC - HAPs from Refineries; NSPS, 40 CFR 60, Subpart GGG - Equipment Leaks of VOC in Petroleum Refineries; and LAC 33.III.2121 - Fugitive Emission Control. [40 CFR 63.648, LAC 33:III.5109\_A, LAC 33:III.2121, 40 CFR 60.590]

### **FUG070 Unit 243 Fug., GME Fuel Gas Treater Unit Fugitives**

- 764 Equip all rotary pumps and compressors handling volatile organic compounds having a true vapor pressure of 1.5 psia or greater at handling conditions with mechanical seals or other equivalent equipment. [LAC 33:III.2111]  
765 Compliance with all the applicable requirements of NSPS, 40 CFR 60, Subpart GGG - Equipment Leaks of VOC in Petroleum Refinery is deemed as compliance with LAC 33.III.2121 - Fugitive Emission Control. [LAC 33:III.2121, 40 CFR 60.590]  
766 Permittee shall comply with the most stringent regulation program and the with the requirements of the Consent Decree for equipment leak definition. See Specific Condition No. 1 of the "STATE ONLY SPECIFIC CONDITIONS". [PSD-LA-719]. [LAC 33:III.509, 40 CFR 52.21]

## **SPECIFIC REQUIREMENTS**

AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery

Activity Number: PER20060012

Permit Number: 3039-V0

Air - Title V Regular Permit Major Mod

### **FUG070 Unit 243 Fug., GME Fuel Gas Treater Unit Fugitives**

- 767 Comply with the requirements of 40 CFR 60.482-1 to 482-10 as soon as practicable, but no later than 180 days after initial startup. Subpart GGG. [40 CFR 60.592(a)]
- 768 Comply with the provisions of 40 CFR 60.485 except as provided in 40 CFR 60.593. Subpart GGG. [40 CFR 60.592(d)]
- 769 Comply with the provisions of 40 CFR 60.486 and 60.487. Subpart GGG. [40 CFR 60.592(e)]

### **FUG071 Unit 247 Fug., GME Amine Regeneration Unit Fugitives**

- 770 Equip all rotary pumps and compressors handling volatile organic compounds having a true vapor pressure of 1.5 psia or greater at handling conditions with mechanical seals or other equivalent equipment. [LAC 33:III.2111]
- 771 Compliance with all the applicable requirements of NSPS, 40 CFR 60. Subpart GGG - Equipment Leaks of VOC in Petroleum Refinery is deemed as compliance with LAC 33:III.2121 - Fugitive Emission Control. [LAC 33:III.2121, 40 CFR 60.590]
- 772 Permittee shall comply with the most stringent regulation program and the with the requirements of the Consent Decree for equipment leak definition. See Specific Condition No. 1 of the "STATE ONLY SPECIFIC CONDITIONS". [PSD-LA-719]. [LAC 33:III.509, 40 CFR 52.21]
- 773 Comply with the requirements of 40 CFR 60.482-1 to 482-10 as soon as practicable, but no later than 180 days after initial startup. Subpart GGG. [40 CFR 60.592(a)]
- 774 Comply with the provisions of 40 CFR 60.485 except as provided in 40 CFR 60.593. Subpart GGG. [40 CFR 60.592(d)]
- 775 Comply with the provisions of 40 CFR 60.486 and 60.487. Subpart GGG. [40 CFR 60.592(e)]

### **FUG072 Unit 250 Fug., GME Marine Loading Dock No. 4 Unit Fugitives**

- 776 Equip all rotary pumps and compressors handling volatile organic compounds having a true vapor pressure of 1.5 psia or greater at handling conditions with mechanical seals or other equivalent equipment. [LAC 33:III.2111]
- 777 Permittee shall comply with the most stringent regulation program and the with the requirements of the Consent Decree for equipment leak definition. See Specific Condition No. 1 of the "STATE ONLY SPECIFIC CONDITIONS". [PSD-LA-719]. [LAC 33:III.509, 40 CFR 52.21]
- 778 Compliance with all the applicable requirements of LAC 33:III.Chapter 51 - Louisiana MACT Determination for Refinery Equipment Leaks dated July 26, 1994 is deemed as compliance with NESHAP, Subpart CC - HAPs from Refineries; NSPS, 40 CFR 60, Subpart GGG - Equipment Leaks of VOC in Petroleum Refineries; and LAC 33:III.2121 - Fugitive Emission Control. [40 CFR 63.648, LAC 33:III.5109.A, LAC 33:III.2121, 40 CFR 60.590]

### **FUG073 Unit 250A Fug., GME Marine Vapor Combustor Fugitives**

- 779 Equip all rotary pumps and compressors handling volatile organic compounds having a true vapor pressure of 1.5 psia or greater at handling conditions with mechanical seals or other equivalent equipment. [LAC 33:III.2111]
- 780 Permittee shall comply with the most stringent regulation program and the with the requirements of the Consent Decree for equipment leak definition. See Specific Condition No. 1 of the "STATE ONLY SPECIFIC CONDITIONS". [PSD-LA-719]. [LAC 33:III.509, 40 CFR 52.21]
- 781 Compliance with all the applicable requirements of LAC 33:III.Chapter 51 - Louisiana MACT Determination for Refinery Equipment Leaks dated July 26, 1994 is deemed as compliance with NESHAP, 40 CFR 63, Subpart CC - HAPs from Refineries; NSPS, 40 CFR 60, Subpart GGG - Standards of Performance fro Equipment Leaks of VOC in Petroleum Refineries; and LAC 33:III.2121 - Fugitive Emission Control. [40 CFR 63.648, LAC 33:III.5109.A, LAC 33:III.2121, 40 CFR 60.590]

### **FUG074 Unit 259 Fug., GME Flare System Fugitives**

- 782 Equip all rotary pumps and compressors handling volatile organic compounds having a true vapor pressure of 1.5 psia or greater at handling conditions with mechanical seals or other equivalent equipment. [LAC 33:III.2111]

## SPECIFIC REQUIREMENTS

AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery

Activity Number: PER20060012

Permit Number: 3039-Y0

Air - Title V Regular Permit Major Mod

### FUG074 Unit 259 Fug., GME Flare System Fugitives

- 783 Permittee shall comply with the most stringent regulation program and the with the requirements of the Consent Decree for equipment leak definition. See Specific Condition No. 1 of the "STATE ONLY SPECIFIC CONDITIONS". [PSD-LA-719]. [LAC 33:III.509, 40 CFR 52.21]
- 784 Compliance with all the applicable requirements of LAC 33:III.Chapter 51 - Louisiana MACT Determination for Refinery Equipment Leaks dated July 26, 1994 is deemed as compliance with NESHAP, 40 CFR 63, Subpart CC - HAPs from Refineries; NSPS, 40 CFR 60, Subpart GGG - Standards of Performance fro Equipment Leaks of VOC in Petroleum Refineries; and LAC 33.III.2121 - Fugitive Emission Control. [40 CFR 63.648, LAC 33:III.5109.A, LAC 33:III.2121, 40 CFR 60.590]

### FUG075 Unit 260 Fug., GME Wastewater Treatment Plant Train No. 5 Fugitives

- 785 Equip all rotary pumps and compressors handling volatile organic compounds having a true vapor pressure of 1.5 psia or greater at handling conditions with mechanical seals or other equivalent equipment. [LAC 33:III.2111]
- 786 Compliance with all the applicable requirements of NSPS, 40 CFR 60, Subpart GGG - Equipment Leaks of VOC in Petroleum Refinery is deemed as compliance with LAC 33.III.2121 - Fugitive Emission Control. [LAC 33:III.2121, 40 CFR 60.590]
- 787 Permittee shall comply with the most stringent regulation program and the with the requirements of the Consent Decree for equipment leak definition. See Specific Condition No. 1 of the "STATE ONLY SPECIFIC CONDITIONS". [PSD-LA-719]. [LAC 33:III.509, 40 CFR 52.21]
- 788 Comply with the requirements of 40 CFR 60.482-1 to 482-10 as soon as practicable, but no later than 180 days after initial startup. Subpart GGG. [40 CFR 60.592(a)]
- 789 Comply with the provisions of 40 CFR 60.485 except as provided in 40 CFR 60.593. Subpart GGG. [40 CFR 60.592(d)]
- 790 Comply with the provisions of 40 CFR 60.486 and 60.487. Subpart GGG. [40 CFR 60.592(e)]

### FUG076 Unit 263 Fug., GME Interconnecting Pipeway Fugitives

- 791 Equip all rotary pumps and compressors handling volatile organic compounds having a true vapor pressure of 1.5 psia or greater at handling conditions with mechanical seals or other equivalent equipment. [LAC 33:III.2111]
- 792 Permittee shall comply with the most stringent regulation program and the with the requirements of the Consent Decree for equipment leak definition. See Specific Condition No. 1 of the "STATE ONLY SPECIFIC CONDITIONS". [PSD-LA-719]. [LAC 33:III.509, 40 CFR 52.21]
- 793 Compliance with all the applicable requirements of LAC 33:III.Chapter 51 - Louisiana MACT Determination for Refinery Equipment Leaks dated July 26, 1994 is deemed as compliance with NESHAP, Subpart CC - HAPs from Refineries; NSPS, 40 CFR 60, Subpart GGG - Equipment Leaks of VOC in Petroleum Rfineries; and LAC 33.III.2121 - Fugitive Emission Control. [40 CFR 63.648, LAC 33:III.5109.A, LAC 33:III.2121, 40 CFR 60.590]

### FUG077 Unit 265 Fug., GME Truck Rack Fugitives

- 794 Equip all rotary pumps and compressors handling volatile organic compounds having a true vapor pressure of 1.5 psia or greater at handling conditions with mechanical seals or other equivalent equipment. [LAC 33:III.2111]
- 795 Repair according to LAC 33:III.2121.B.3 any regulated component observed leaking by sight, sound, or smell, regardless of the leak's concentration. [LAC 33:III.2121.B.1]
- 796 Do not locate any valve, except safety pressure relief valves, valves on sample lines, valves on drain lines and valves that can be removed and replaced without a shutdown, at the end of a pipe or line containing VOC unless the end of such line is sealed with a second valve, a blind flange, a plug, or a cap. Remove such sealing devices only when the line is in use, for example, when a sample is being taken. When the line has been used and is subsequently resealed, close the upstream valve first, followed by the sealing device. [LAC 33:III.2121.B.2]
- 797 Make every reasonable effort to repair a leaking component, as described in LAC 33:III.2121.B, within 15 days, except as provided. [LAC 33:III.2121.B.3]

## SPECIFIC REQUIREMENTS

AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery

Activity Number: PER20060012

Permit Number: 3039-V0

Air - Title V Regular Permit Major Mod

### FUG077 Unit 265 Fug., GME Truck Rack Fugitives

- 798 Pump seals: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 annually (one time per year). If a reading of 10,000 ppmv or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in LAC 33:III.2121.B.3. [LAC 33:III.2121.C.1.a.i]  
Which Months: All Year Statistical Basis: None specified
- 799 Valves in liquid service: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 annually (one time per year). If a reading of 10,000 ppmv or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in LAC 33:III.2121.B.3. [LAC 33:III.2121.C.1.a.ii]
- 800 Process drains: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 annually (one time per year). If a reading of 10,000 ppmv or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in LAC 33:III.2121.B.3. [LAC 33:III.2121.C.1.a.iii]
- 801 Compressor seals: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 quarterly (four times per year). If a reading of 10,000 ppmv or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in LAC 33:III.2121.B.3. [LAC 33:III.2121.C.1.b.i]
- 802 Valves in gas service: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 quarterly (four times per year). If a reading of 10,000 ppmv or greater is recorded. If a leak is detected, initiate repair provisions specified in LAC 33:III.2121.B.3. Permittee may elect to comply with the alternate standards for valves in LAC 33:III.2121.D (skip period provisions). [LAC 33:III.2121.C.1.b.ii]
- 803 Pressure relief valves in gas service: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 quarterly (four times per year). If a reading of 10,000 ppmv or greater is recorded, a leak is detected, initiate repair provisions specified in LAC 33:III.2121.B.3. [LAC 33:III.2121.C.1.b.iii]
- 804 Pumps: Seal or closure mechanism monitored by visual inspection/determination weekly (52 times per year). [LAC 33:III.2121.C.1.c]  
Which Months: All Year Statistical Basis: None specified
- 805 Pressure relief valves: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 within 24 hours after venting to the atmosphere. If a reading of 10,000 ppmv or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in LAC 33:III.2121.B.3. [LAC 33:III.2121.C.3.a]
- 806 All components: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 upon each occurrence of a leak detected by sight, smell, or sound, unless electing to implement actions as specified in LAC 33:III.2121.B.3. [LAC 33:III.2121.C.3.b]
- 807 Inaccessible valves: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 annually (at a minimum). [LAC 33:III.2121.C.4.c]  
Which Months: All Year Statistical Basis: None specified
- 808 Unsafe-to-monitor valves: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 upon each occurrence of conditions allowing these valves to be monitored safely. [LAC 33:III.2121.C.4.c]
- 809 Which Months: All Year Statistical Basis: None specified  
When a leak that cannot be repaired on-line and in-place is located, affix to the leaking component a weatherproof and readily visible tag bearing an identification number and the date the leak is located. Date and remove the tag after the leak is repaired. [LAC 33:III.2121.E.1]
- 810 Equipment/operational data recordkeeping by survey log upon each occurrence of a leak. Include the leaking component information specified in LAC 33:III.2121.E.2. Retain the survey log for two years after the latter date specified in LAC 33:III.2121.E.2 and make said log available to DEQ upon request. [LAC 33:III.2121.E.]
- 811 Submit report: Due semiannually, by the 31st of January and July, to the Office of Environmental Assessment, Air Quality Assessment Division. Include the information specified in LAC 33:III.2121.F.1 through 4 for each calendar quarter during the reporting period. [LAC 33:III.2121.F]

## SPECIFIC REQUIREMENTS

AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery

Activity Number: PER20060012

Permit Number: 3039-V0

Air - Title V Regular Permit Major Mod

### FUG077 Unit 265 Fug., GME Truck Rack Fugitives

812 Permittee shall comply with the most stringent regulation program and the with the requirements of the Consent Decree for equipment leak definition. See Specific Condition No. 1 of the "STATE ONLY SPECIFIC CONDITIONS". [PSD-LA-719]. [LAC 33:III.509, 40 CFR 52.21]

### FUG078 Unit 267 Fug., GME Blending Facilities Fugitives

813 Equip all rotary pumps and compressors handling volatile organic compounds having a true vapor pressure of 1.5 psia or greater at handling conditions with mechanical seals or other equivalent equipment. [LAC 33:III.2111]

814 Permittee shall comply with the most stringent regulation program and the with the requirements of the Consent Decree for equipment leak definition. See Specific Condition No. 1 of the "STATE ONLY SPECIFIC CONDITIONS". [PSD-LA-719]. [LAC 33:III.509, 40 CFR 52.21]

815 Compliance with all the applicable requirements of LAC 33:III Chapter 51 - Louisiana MACT Determination for Refinery Equipment Leaks dated July 26, 1994 is deemed as compliance with NESHAP, Subpart CC - HAPs from Refineries; NSPS, 40 CFR 60, Subpart GGG - Equipment Leaks of VOC in Petroleum Refineries; and LAC 33:III.2121 - Fugitive Emission Control. [40 CFR 63.648, LAC 33:III.5109.A, LAC 33:III.5109.A, LAC 33:III.2121, 40 CFR 60.590]

### FUG079 Unit 271 Fug., GME Barge Dock No. 3 Unit Fugitives

816 Equip all rotary pumps and compressors handling volatile organic compounds having a true vapor pressure of 1.5 psia or greater at handling conditions with mechanical seals or other equivalent equipment. [LAC 33:III.2111]

817 Permittee shall comply with the most stringent regulation program and the with the requirements of the Consent Decree for equipment leak definition. See Specific Condition No. 1 of the "STATE ONLY SPECIFIC CONDITIONS". [PSD-LA-719]. [LAC 33:III.509, 40 CFR 52.21]

818 Compliance with all the applicable requirements of LAC 33:III Chapter 51 - Louisiana MACT Determination for Refinery Equipment Leaks dated July 26, 1994 is deemed as compliance with NESHAP, Subpart CC - HAPs from Refineries; NSPS, 40 CFR 60, Subpart GGG - Equipment Leaks of VOC in Petroleum Refineries; and LAC 33:III.2121 - Fugitive Emission Control. [40 CFR 63.648, LAC 33:III.5109.A, LAC 33:III.5109.A, LAC 33:III.2121, 40 CFR 60.590]

### GRP028 GME Fugitive Cap

819 Permittee shall show compliance with the limits of this permit by maintaining the sum of the emissions (VOC, 320.71 TPY and SO<sub>2</sub>, 0.07 TPY) of the fugitive emission points listed below to no more than the emission limits listed in GME Fugitive Cap, GRP028. The sum of the fugitive emissions shall be calculated and recorded each month, as well as the sum of the fugitive emissions for the last twelve months. These records shall be kept on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. The sum if the fugitive emissions above the maximum listed in this cap, GRP028, for any twelve consecutive month period shall be a violation of this permit and must be reported to the Office of Environmental Compliance, Enforcement Division. A report showing the sum of the fugitive emissions shall be submitted to the Office of Environmental Compliance, Surveillance Division by March 31 for the preceding calendar year.

Emission Points FUG52 thru FUG79. [LAC 33:III.501.C.6]

### GRP029 GME Heater/Boiler Cap

## SPECIFIC REQUIREMENTS

AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery

Activity Number: PER20060012

Permit Number: 3039-V0

Air - Title V Regular Permit Major Mod

### GRP029 GME Heater/Boiler Cap

820 Permittee shall continuously monitor the heat input to the individual equipment (boilers, heaters, and reboilers) referenced in this specific condition. Based on the monitored heat input and individual emission factors for the equipment, the permittee shall calculate emissions for each equipment. The total heat input to all the equipment shall not exceed 4752.07 MM BTU/hr (High Heating Value annual average) and the total calculated emissions from all the equipment shall not exceed PM10, 155.09 tons per year (TPY); SO<sub>2</sub>, 208.03 TPY; NO<sub>x</sub>, 462.60 TPY; CO, 832.57 TPY; and VOC, 50.49 TPY. Emissions from these equipment shall be reported under an emission cap, Emission Point GME HBC (GRP029). The total heat input and the calculated emissions of the individual equipment shall be recorded each month, as well as the heat input and the total calculated emissions for all the equipment for the last twelve months. These records shall be kept on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. Total heat input and the calculated emissions from the equipment above the maximum listed in this specific condition for any twelve consecutive month period shall be a violation of this permit and must be reported to the Office of Environmental Compliance, Enforcement Division. A report showing the heat input of the individual equipment and the overall total heat input and the emissions shall be submitted to the Office of Environmental Compliance, Surveillance Division by March 31 for the preceding calendar year.

Emission Points 1-08 thru 6-08, 7A-08, 7B-08, 7C-08, 9-08 thru 16-08, and 48-08. [LAC 33:III.501.C.6]

### GRP030 GME Thermal Oxidizer Cap

821 Permittee shall continuously monitor the heat input to the thermal oxidizers referenced in this specific condition. Based on the monitored heat input and individual emission factors for each thermal oxidizer the permittee shall calculate emissions for each thermal oxidizer. The total heat input to all the thermal oxidizers shall not exceed 101.96 MM BTU/hr (High Heating Value annual average) and the total calculated emissions from all the thermal oxidizers shall not exceed PM10, 3.33 tons per year (TPY); SO<sub>2</sub>, 201.83 TPY; NO<sub>x</sub>, 89.32 TPY; CO, 17.86 TPY; and VOC, 0.18 TPY. Emissions from the thermal oxidizers shall be reported under an emission cap, Emission Point GME TOC (GRP030). The total heat input and the calculated emissions of the individual thermal oxidizer shall be recorded each month, as well as the heat input and the total calculated emissions for all the thermal oxidizers for the last twelve months. These records shall be kept on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. Total heat input and the calculated emissions from the thermal oxidizers above the maximum listed in this specific condition for any twelve consecutive month period shall be a violation of this permit and must be reported to the Office of Environmental Compliance, Enforcement Division. A report showing the heat input of each thermal oxidizer and the overall total heat input and the emissions shall be submitted to the Office of Environmental Compliance, Surveillance Division by March 31 for the preceding calendar year.

Emission Points 18-08 and 19-08. [LAC 33:III.501.C.6]

### GRP031 GME Facility

822 Emissions of smoke which pass onto or across a public road and create a traffic hazard by impairment of visibility as defined in LAC 33:III.111 or intensify an existing traffic hazard condition are prohibited. [LAC 33:III.1103]  
823 Outdoor burning of waste material or other combustible material is prohibited. [LAC 33:III.1109.B]  
824 Emissions of particulate matter which pass onto or across a public road and create a traffic hazard by impairment of visibility or intensify an existing traffic hazard condition are prohibited. [LAC 33:III.1303.B]  
825 Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.A.1-7. [LAC 33:III.1305]  
826 Maintain best practical housekeeping and maintenance practices at the highest possible standards to reduce the quantity of organic compounds emissions. Good housekeeping shall include, but not be limited to, the practices listed in LAC 33:III.2113.A.1-5. [LAC 33:III.2113.A]

## SPECIFIC REQUIREMENTS

AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery

Activity Number: PER20060012

Permit Number: 3039-V0

Air - Title V Regular Permit Major Mod

### GRP031 GME Facility

- 827 Control emissions of volatile organic compounds from petroleum refinery process unit turnarounds by pumping the liquid contents to storage and depressurizing the processing units to five psig (pounds per square inch gauge) or below before venting to the atmosphere. Control the vapors during the depressurization prior to venting to atmosphere by one of the applicable methods specified in LAC 33:III.2.115.A, B, and F. [LAC 33:III.2141.A]
- 828 Keep records and determine compliance as specified in LAC 33:III.2.115.I, J, and K. [LAC 33:III.2141.A]
- 829 Failure to pay the prescribed application fee or annual fee as provided herein, within 90 days after the due date, will constitute a violation of these regulations and shall subject the person to applicable enforcement actions under the Louisiana Environmental Quality Act including, but not limited to, revocation or suspension of the applicable permit, license, registration, or variance. [LAC 33:III.219]
- 830 Discharges of odorous substances at or beyond property lines which cause a perceived odor intensity of six or greater on the specified eight point butanol scale as determined by Method 41 of LAC 33:III.2901.G are prohibited. [LAC 33:III.2901.D]
- 831 If requested to monitor for odor intensity, take and transport samples in a manner which minimizes alteration of the samples either by contamination or loss of material. Evaluate all samples as soon after collection as possible in accordance with the procedures set forth in LAC 33:III.2901.G. [LAC 33:III.2901.F]
- 832 The number of each type of components required to be monitored for each monitoring period under applicable leak detection and repair programs shall be reported to the LDEQ by inclusion with each periodic monitoring report. Fugitive emission piping components may be added to or removed from the permitted units, without triggering the need to apply for a permit modification, provided: A) Changes in components involve routine maintenance or are undertaken to address safety concerns or involve small piping revisions with no associated emissions increases except from the fugitive emission components themselves; B) The changes do not involve any associated increase in the production rate or capacity, or tie in of new or modified process equipment other than the piping components; C) Actual emissions following the changes will not exceed the emission limits contained in this permit; and D) The components are promptly incorporated into any applicable leak detection and repair program. [LAC 33:III.501.C.6]
- 833 Carbon monoxide <= 940.80 tons/yr. [LAC 33:III.501.C.6]  
Which Months: All Year Statistical Basis: Annual maximum
- 834 Nitrogen oxides <= 569.71 tons/yr. [LAC 33:III.501.C.6]  
Which Months: All Year Statistical Basis: Annual maximum
- 835 Particulate matter (10 microns or less) <= 173.72 tons/yr. [LAC 33:III.501.C.6]  
Which Months: All Year Statistical Basis: Annual maximum
- 836 Sulfur dioxide <= 419.74 tons/yr. [LAC 33:III.501.C.6]  
Which Months: All Year Statistical Basis: Annual maximum
- 837 VOC, Total <= 556.67 tons/yr. [LAC 33:III.501.C.6]  
Which Months: All Year Statistical Basis: Annual maximum
- 838 2,2,4-Trimethylpentane <= 3.59 tons/yr. [LAC 33:III.501.C.6]  
Which Months: All Year Statistical Basis: Annual maximum
- 839 Benzene <= 1.18 tons/yr. [LAC 33:III.501.C.6]  
Which Months: All Year Statistical Basis: Annual maximum
- 840 Dichlorobenzene < 0.01 tons/yr. [LAC 33:III.501.C.6]  
Which Months: All Year Statistical Basis: Annual maximum
- 841 Ethyl benzene <= 2.07 tons/yr. [LAC 33:III.501.C.6]  
Which Months: All Year Statistical Basis: Annual maximum
- 842 Formaldehyde <= 0.26 tons/yr. [LAC 33:III.501.C.6]  
Which Months: All Year Statistical Basis: Annual maximum
- 843 Methanol <= 1.60 tons/yr. [LAC 33:III.501.C.6]  
Which Months: All Year Statistical Basis: Annual maximum

## SPECIFIC REQUIREMENTS

AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery

Activity Number: PER20060012

Permit Number: 3039-V0

Air - Title V Regular Permit Major Mod

### **GRP031 GME Facility**

- 844 Naphthalene < 0.01 tons/yr. [LAC 33:III.501.C.6]  
 Which Months: All Year Statistical Basis: Annual maximum  
 845 n-Hexane <= 3.48 tons/yr. [LAC 33:III.501.C.6]  
 Which Months: All Year Statistical Basis: Annual maximum  
 846 Polynuclear Aromatic Hydrocarbons < 0.01 tons/yr. [LAC 33:III.501.C.6]  
 Which Months: All Year Statistical Basis: Annual maximum  
 847 Tetrachloroethylene <= 0.47 tons/yr. [LAC 33:III.501.C.6]  
 Which Months: All Year Statistical Basis: Annual maximum  
 848 Toluene <= 5.51 tons/yr. [LAC 33:III.501.C.6]  
 Which Months: All Year Statistical Basis: Annual maximum  
 849 Xylene (mixed isomers) <= 7.30 tons/yr. [LAC 33:III.501.C.6]  
 Which Months: All Year Statistical Basis: Annual maximum  
 850 Ammonia <= 55.44 tons/yr. [LAC 33:III.501.C.6]  
 Which Months: All Year Statistical Basis: Annual maximum  
 851 Arsenic (and compounds) < 0.01 tons/yr. [LAC 33:III.501.C.6]  
 Which Months: All Year Statistical Basis: Annual maximum  
 852 Barium (and compounds) < 0.01 tons/yr. [LAC 33:III.501.C.6]  
 Which Months: All Year Statistical Basis: Annual maximum  
 853 Beryllium (Table 51.1) < 0.01 tons/yr. [LAC 33:III.501.C.6]  
 Which Months: All Year Statistical Basis: Annual maximum  
 854 Cadmium (and compounds) < 0.01 tons/yr. [LAC 33:III.501.C.6]  
 Which Months: All Year Statistical Basis: Annual maximum  
 855 Chromium VI (and compounds) < 0.01 tons/yr. [LAC 33:III.501.C.6]  
 Which Months: All Year Statistical Basis: Annual maximum  
 856 Cobalt compounds < 0.01 tons/yr. [LAC 33:III.501.C.6]  
 Which Months: All Year Statistical Basis: Annual maximum  
 857 Copper (and compounds) < 0.01 tons/yr. [LAC 33:III.501.C.6]  
 Which Months: All Year Statistical Basis: Annual maximum  
 858 Hydrochloric acid <= 0.27 tons/yr. [LAC 33:III.501.C.6]  
 Which Months: All Year Statistical Basis: Annual maximum  
 859 Hydrogen sulfide <= 2.55 tons/yr. [LAC 33:III.501.C.6]  
 Which Months: All Year Statistical Basis: Annual maximum  
 860 Lead compounds < 0.01 tons/yr. [LAC 33:III.501.C.6]  
 Which Months: All Year Statistical Basis: Annual maximum  
 861 Manganese (and compounds) < 0.01 tons/yr. [LAC 33:III.501.C.6]  
 Which Months: All Year Statistical Basis: Annual maximum  
 862 Mercury (and compounds) < 0.01 tons/yr. [LAC 33:III.501.C.6]  
 Which Months: All Year Statistical Basis: Annual maximum  
 863 Nickel (and compounds) < 0.01 tons/yr. [LAC 33:III.501.C.6]  
 Which Months: All Year Statistical Basis: Annual maximum

## SPECIFIC REQUIREMENTS

AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery

Activity Number: PER20060012

Permit Number: 3039-V0

Air - Title V Regular Permit Major Mod

### GRP031 GME Facility

- 864 Selenium (and compounds) < 0.01 tons/yr. [LAC 33:III.501.C.6]  
Which Months: All Year Statistical Basis: Annual maximum
- 865 Zinc (and compounds) < 0.01 tons/yr. [LAC 33:III.501.C.6]  
Which Months: All Year Statistical Basis: Annual maximum
- 866 Comply with the requirements of PSD-LA-719. This permit includes provisions of the Prevention of Significant Deterioration (PSD) review from Permit PSD-LA-719. [LAC 33:III.509]
- 867 Permittee shall comply with all the applicable requirements of the Prevention of Significant Deterioration Permit, Permit No. PSD-LA-719 and all the applicable requirements of the Consent Decree  [LAC 33:III.509, 40 CFR 52.21]
- 868 Do not construct or modify any stationary source subject to any standard set forth in LAC 33:III.Chapter 51.Subchapter A without first obtaining written authorization from DEQ in accordance with LAC 33:III.Chapter 51.Subchapter A, after the effective date of the standard. [LAC 33:III.5105.A.1]
- 869 Do not cause a violation of any ambient air standard listed in LAC 33:III.Table 51.2, unless operating in accordance with LAC 33:III.5109. [LAC 33:III.5105.A.2]
- 870 Do not build, erect, install, or use any article, machine, equipment, process, or method, the use of which conceals an emission that would otherwise constitute a violation of an applicable standard. [LAC 33:III.5105.A.3]
- 871 Submit Annual Emissions Report (TEDI): Due annually, by the 1st of July, to the Office of Environmental Assessment, Air Quality Assessment Division, in a format specified by DEQ. Identify the quantity of emissions in the previous calendar year for any toxic air pollutant listed in Table 51.1 or Table 51.3. [LAC 33:III.5107.A.2]
- 872 Include a certification statement with initial and subsequent annual emission reports and revisions to any emission report to attest that the information contained in the emission report is true, accurate, and complete, and signed by a responsible official, as defined in LAC 33:III.502. Include the full name of the responsible official, title, signature, date of signature and phone number of the responsible official. The certification statement shall read: "I certify, under penalty of perjury, that the emissions data provided is accurate to the best of my knowledge, information, and belief, and I understand that submitting false or misleading information will expose me to prosecution under state regulations" [LAC 33:III.5107.A.3]
- 873 Submit notification: Due to the Department of Public Safety 24-hour Hazardous Materials Hotline at (225) 925-6595 immediately, but no later than 1 hour, after any discharge of a toxic air pollutant into the atmosphere which results or threatens to result in an emergency condition (a condition which could reasonably be expected to endanger the health and safety of the public, cause significant adverse impact to the land, water or air environment, or cause severe damage to property). [LAC 33:III.5107.B.1]
- 874 Submit notification: Due to the Office of Environmental Compliance, Emergency and Radiological Services Division, Single Point of Contact (SPOC), except as provided in LAC 33:III.5107.B.6, no later than 24 hours after the beginning of any unauthorized discharge into the atmosphere of a toxic air pollutant as a result of bypassing an emission control device, when the emission control bypass was not the result of an upset, and the quantity of the unauthorized bypass is greater than or equal to the lower of the Minimum Emission Rate (MER) in LAC 33:III.5112, Table 51.1, or a reportable quantity (RQ) in LAC 33:I.3931, or the quantity of the unauthorized bypass is greater than one pound and there is no MER or RQ for the substance in question. Submit notification in the manner provided in LAC 33:I.3923. [LAC 33:III.5107.B.2]
- 875 Submit notification: Due to the Office of Environmental Compliance, Emergency and Radiological Services, SPOC, immediately, but in no case later than 24 hours after any unauthorized discharge of a toxic air pollutant into the atmosphere that does not cause an emergency condition, the rate or quantity of which is in excess of that allowed by Permit, compliance schedule, or variance, or for upset events that exceed the reportable quantity in LAC 33:I.3931, except as provided in LAC 33:III.5107.B.6. Submit notification in the manner provided in LAC 33:I.3923. [LAC 33:III.5107.B.3]
- 876 Submit written report: Due within seven calendar days of learning of any such discharge or equipment bypass as referred to in LAC 33:III.5107.B.1 through 3. Submit report to the Office of Environmental Compliance by certified mail. Include the information specified in LAC 33:III.5107.B.4.i through viii. [LAC 33:III.5107.B.4]

## SPECIFIC REQUIREMENTS

AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery

Activity Number: PER20060012

Permit Number: 3039-Y0

Air - Title V Regular Permit Major Mod

### GRP031 GME Facility

- 877 Report all discharges to the atmosphere of a toxic air pollutant from a safety relief device, a line or vessel rupture, a sudden equipment failure, or a bypass of an emission control device, regardless of quantity, in the annual emissions report and where otherwise specified. Include the identity of the source, the date and time of the discharge, and the approximate total loss during the discharge. [LAC 33:III.5107.B.5]
- 878 Identify each piece of equipment in a process unit subject to this MACT determination such that it can be distinguished readily from equipment that is not subject to this MACT determination, as specified in Subsection C.3 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). [LAC 33:III.5109.A]
- 879 VOC, Total monitored by technically sound method at the regulation's specified frequency. Monitor equipment that has been physically removed from service, disassembled or dismantled in the next scheduled monitoring period or within 1 year of placing back in service, whichever occurs first, to determine if it is leaking, as specified in Subsection C.5 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). [LAC 33:III.5109.A]
- Which Months: All Year Statistical Basis: None specified
- 880 VOC, Total recordkeeping by manual logging at the regulation's specified frequency. Maintain a record of the monitoring in the log required in Subsection Q.5, as specified in Subsection C.5 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). [LAC 33:III.5109.A]
- 881 Pumps in light liquid service: VOC, Total monitored by the regulation's specified method(s) quarterly. Monitor to detect leaks by the methods specified in Subsection P.2, except as provided in Subsections C.4, D.4, D.5 and D.6, as specified in Paragraph D.1.a of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). If an instrument reading of 2000 ppm or greater is measured, a leak is detected. If a leak is detected, initiate repair provisions as specified in Subsection D.3. [LAC 33:III.5109.A]
- Which Months: All Year Statistical Basis: None specified
- 882 Pumps in light liquid service: Presence of a leak monitored by visual inspection/determination weekly (calendar), as specified in Paragraph D.1.b of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). If there are indications of liquids dripping from the pump seal, monitor within 5 days. [LAC 33:III.5109.A]
- Which Months: All Year Statistical Basis: None specified
- 883 Pumps in light liquid service: Repair leaks as soon as practicable, but not later than 15 calendar days after a leak is detected, except as provided in Section M, as specified in Subsection D.3 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Make a first attempt at repair no later than 5 calendar days after each leak is detected. [LAC 33:III.5109.A]
- 884 Pumps in light liquid service (dual mechanical seal system): Operate with the barrier fluid at a pressure that is at all times greater than the pump stuffing box pressure, or equip with a barrier fluid degassing reservoir that is connected by a closed-vent system to a control device that complies with the requirements of Section N, or equip with a system that purges the barrier fluid into a process stream with zero VOTAP emissions to the atmosphere, as specified in Paragraph D.4.a of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Comply with this requirement instead of the requirements in Subsection D.1. [LAC 33:III.5109.A]
- 885 Pumps in light liquid service (dual mechanical seal system): Ensure that the barrier fluid is not in VOTAP service and, if the pump is covered by standards under NSPS, is not in VOC service, as specified in Paragraph D.4.b of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Comply with this requirement instead of the requirements in Subsection D.1. [LAC 33:III.5109.A]
- 886 Pumps in light liquid service (dual mechanical seal system): Equip each barrier fluid system with a sensor that will detect failure of the seal system, the barrier fluid system, or both, as specified in Paragraph D.4.c of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Comply with this requirement instead of the requirements in Subsection D.1. [LAC 33:III.5109.A]
- 887 Pumps in light liquid service (dual mechanical seal system): Presence of a leak monitored by visual inspection/determination weekly (calendar), as specified in Paragraph D.4.c of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). If there are indications of liquids dripping from the pump seal, a leak is detected. If a leak is detected, initiate repair provisions specified in Paragraphs D.3.a and D.3.b. Comply with this requirement instead of the requirements in Subsection D.1. [LAC 33:III.5109.A]
- Which Months: All Year Statistical Basis: None specified

## SPECIFIC REQUIREMENTS

AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery

Activity Number: PER20060012

Permit Number: 3039-V0

Air - Title V Regular Permit Major Mod

### GRP031 GME Facility

888 Pumps in light liquid service (dual mechanical seal system): Equipment/operational data monitored by visual inspection/determination daily. Check sensor daily or equip with an audible alarm, as specified in Subparagraph D.4.e.i of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). If the sensor indicates failure of the seal system, the barrier fluid system, or both based on the criterion determined in Paragraph D.4.e.ii, a leak is detected. If a leak is detected, initiate repair provisions specified in Paragraphs D.3.a and D.3.b. Comply with this requirement instead of the requirements in Subsection D.1. [LAC 33:III.5109.A]

Which Months: All Year Statistical Basis: None specified

889 Pumps in light liquid service (dual mechanical seal system): Determine, based on design considerations and operating experience, a criterion that indicates failure of the seal system, the barrier fluid system, or both, as specified in Subparagraph D.4.e.ii of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Comply with this requirement instead of the requirements in Subsection D.1. [LAC 33:III.5109.A]

890 Pumps in light liquid service: Equip with a closed-vent system capable of capturing and transporting any leakage from the seal or seals to a control device that complies with the requirements of Section N, as specified in Paragraph D.5 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Alternative to Subsections D.1 through D.4. [LAC 33:III.5109.A]

891 Compressors (seal system): VOC, Total monitored by the regulation's specified method(s) quarterly, as specified in Subsection E.1 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Monitor to detect leaks using the methods specified in Section P. If an instrument reading of 5000 ppm is measured, a leak is detected. If a leak is detected, initiate repair provisions specified in Subsection E.8. [LAC 33:III.5109.A]

Which Months: All Year Statistical Basis: None specified

892 Compressors: Equip with a seal system that includes a barrier fluid system and that prevents leakage of process fluid to the atmosphere, except as provided for in Subsections C.4, E.9 and E.10, as specified in Subsection E.2 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). [LAC 33:III.5109.A]

893 Compressors (seal system): Operate with the barrier fluid at a pressure that is greater than the compressor stuffing box pressure, or equip with a barrier fluid system that is connected by a closed-vent system to a control device that complies with the requirements of Section N, or equip with a system that purges the barrier fluid into a process stream with zero VOTAP emission to the atmosphere, as specified in Subsection E.3 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). [LAC 33:III.5109.A]

894 Compressors: Ensure that the barrier fluid is not in VOTAP service and, if the compressor is covered by a standard under NSPS, is not in VOC service, as specified in Subsection E.4 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). [LAC 33:III.5109.A]

895 Compressors: Equip each barrier fluid system as described in Subsections E.2 through E.4 with a sensor that will detect failure of the seal system, the barrier fluid system, or both, as specified in Subsection E.5 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). [LAC 33:III.5109.A]

896 Compressors: Equipment/operational data monitored by technically sound method daily, as specified in Paragraph E.6.a of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Check each sensor as required in Subsection E.5 daily or equip with an audible alarm unless the compressor is located within the boundary of an unmanned plant site. If the sensor indicates failure of the seal system, the barrier fluid system, or both based on criterion determined under Paragraph E.6.b, a leak is detected. If a leak is detected, initiate repair provisions specified in Subsection E.8. [LAC 33:III.5109.A]

Which Months: All Year Statistical Basis: None specified

897 Compressors: Determine, based on design considerations and operating experience, a criterion that indicates failure of the seal system, the barrier fluid system, or both, as specified in Paragraph E.6.b of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). [LAC 33:III.5109.A]

898 Compressors: Repair leaks as soon as practicable, but not later than 15 calendar days after a leak is detected, except as provided in Section M, as specified in Subsection E.8 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Make a first attempt at repair no later than 5 calendar days after each leak is detected. [LAC 33:III.5109.A]

899 Compressors: Equip with a closed-vent system capable of capturing and transporting any leakage from the seal to a control device that complies with the requirements of Section N, except as provided for in Subsection E.10, as specified in Paragraph E.9 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Alternative to Subsections E.1 through E.7. [LAC 33:III.5109.A]

## SPECIFIC REQUIREMENTS

AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery

Activity Number: PER20060012

Permit Number: 3039-V0

Air - Title V Regular Permit Major Mod

### GRP031 GME Facility

- 900 Compressors (no detectable emissions): Demonstrate that the compressor is operating with no detectable emissions, as indicated by an instrument reading of less than 500 ppm above background, as measured by the method specified in Subsection P.3, as specified in Paragraph E.10.a of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Comply with this requirement instead of the requirements in Subsections E.2 through E.9. [LAC 33:III.5109.A]
- 901 Compressors (no detectable emissions): VOC, Total monitored by the regulation's specified method(s) once initially upon designation, annually, and at other times requested by DEQ, as specified in Paragraph E.10.b of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Comply with this requirement instead of the requirements in Subsections E.2 through E.9. [LAC 33:III.5109.A]
- Which Months: All Year Statistical Basis: None specified
- 902 Pressure relief device in gas/vapor service: VOC, Total < 500 ppm except during pressure releases, as measured by the method specified in Section P.3, as specified in Subsection F.1 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). [LAC 33:III.5109.A]
- Which Months: All Year Statistical Basis: None specified
- 903 Pressure relief device in gas/vapor service: After each pressure release, return to a condition of no leakage, as indicated by an instrument reading of less than 500 ppm, as soon as practicable, but no later than five calendar days after each pressure release, except as provided in Section M, as specified in Section F.2.a of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). [LAC 33:III.5109.A]
- 904 Pressure relief device in gas/vapor service: VOC, Total monitored by the regulation's specified method(s) within 5 days (calendar) after the pressure release to confirm the condition of no leakage, as indicated by an instrument reading of less than 500 ppm above background, as specified in Section F.2.b of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Monitor using the method specified in Subsection P.3. [LAC 33:III.5109.A]
- Which Months: All Year Statistical Basis: None specified
- 905 Pressure relief device in gas/vapor service: Equip with a closed-vent system capable of capturing and transporting leakage from the pressure relief device to a control device as described in Section N, as specified in Section F.2.b of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Alternative to Subsections F.1 and F.2. [LAC 33:III.5109.A]
- 906 Sampling connection systems: Equip with a closed-purge system or closed-vent system, except as provided for in Section C, as specified in Subsection G.1 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Ensure that this system collects or captures the sample purge for return to the process. [LAC 33:III.5109.A]
- 907 Sampling connection systems (closed-purge or closed-vent system): Return the purged process fluid directly to the process line with zero VOTAP emissions to the atmosphere, or collect and recycle the purged process fluid with zero VOTAP emissions to the atmosphere, or be designed and operated to capture and transport all the purged process fluid to a control device that complies with the requirements of Section N, as specified in Subsection G.2 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). [LAC 33:III.5109.A]
- 908 Open-ended valves or lines: Equip with a cap, blind flange, plug, or a second valve that seals the open end at all times except during operations requiring process fluid flow through the open-ended valve or line or during maintenance and repair, as specified in Subsection H.1 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). [LAC 33:III.5109.A]
- 909 Open-ended valves or lines (equipped with a second valve): Operate in a manner such that the valve on the process fluid end is closed before the second valve is closed, as specified in Subsection H.2 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). [LAC 33:III.5109.A]
- 910 Open-ended valves or lines: Monitor and repair in accordance with Section I, as specified in Subsection H.4 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). [LAC 33:III.5109.A]
- 911 Valves in gas/vapor service and in light liquid service: VOC, Total monitored by the regulation's specified method(s) quarterly, as specified in Subsection I.1 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Monitor using the method specified in Subsection P.2. If an instrument reading of 1000 ppm or greater is measured, a leak is detected. If a leak is detected, initiate repair provisions specified in Subsection I.3. [LAC 33:III.5109.A]
- Which Months: All Year Statistical Basis: None specified

## SPECIFIC REQUIREMENTS

AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery

Activity Number: PER20060012

Permit Number: 3039-V0

Air - Title V Regular Permit Major Mod

### GRP031 GME Facility

912 Valves in gas/vapor service and in light liquid service (percent leaking valves  $\geq 4$ ): VOC, Total monitored by the regulation's specified method(s) monthly, as specified in Subsection I.7 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Monitor using the method specified in Subsection P.2. Monthly monitoring must be initiated within 60 days of the previous monitoring and must continue until the percent of leaking valves is less than 4, at which time monitoring can be performed in accordance with Subsection I.1. [LAC 33:III.5109.A]

Which Months: All Year Statistical Basis: None specified  
913 Valves in gas/vapor service and in light liquid service (percent leaking valves  $<= 2$  for two consecutive quarterly leak detection periods): VOC, Total monitored by the regulation's specified method(s) semiannually, as specified in Paragraph J.2.a of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Monitor using the method specified in Section P. If the percentage of valves leaking is greater than 2 for any monitoring period, comply with the requirements as described in Section I, as specified in Paragraph J.2.c of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Optional alternative to quarterly monitoring. [LAC 33:III.5109.A]

Which Months: All Year Statistical Basis: None specified  
914 Valves in gas/vapor service and in light liquid service (percent leaking valves  $<= 2$  for two consecutive semianual leak detection periods): VOC, Total monitored by the regulation's specified method(s) annually, as specified in Paragraph J.2.b of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Monitor using the method specified in Section P. If the percentage of valves leaking is greater than 2 for any monitoring period, comply with the requirements as described in Section I, as specified in Paragraph J.2.c of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Optional alternative to quarterly monitoring. [LAC 33:III.5109.A]

Which Months: All Year Statistical Basis: None specified  
915 Valves in gas/vapor service and in light liquid service (using skip period leak detection and repair): Notify DEQ at least 30 days before implementing one of the alternate monitoring scenarios in Section I, as specified in Paragraph J.1.b of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). [LAC 33:III.5109.A]  
916 Valves in gas/vapor service and in light liquid service: Repair leaks as soon as practicable, but no later than 15 calendar days after a leak is detected, except as provided in Section M, as specified in Subsection I.3 and I.4 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Make a first attempt at repair no later than 5 calendar days after each leak is detected. [LAC 33:III.5109.A]  
917 Valves in gas/vapor service and in light liquid service (unsafe-to-monitor): Demonstrate that the valve is unsafe to monitor because monitoring personnel would be exposed to an immediate danger as a consequence of complying with Subsection I.1, as specified in Subsection I.5.a of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Comply with this requirement instead of the requirements in Subsection I.1. [LAC 33:III.5109.A]

918 Valves in gas/vapor service and in light liquid service (unsafe-to-monitor): VOC, Total monitored by the regulation's specified method(s) at the regulation's specified frequency. Maintain a written plan that requires monitoring of the valve as frequently as practicable during safe-to-monitor times, as specified in Subsection I.5.b of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Monitor using the method specified in Subsection P.2. Comply with this requirement instead of the requirements in Subsection I.1. [LAC 33:III.5109.A]

Which Months: All Year Statistical Basis: None specified  
919 Valves in gas/vapor service and in light liquid service (difficult-to-monitor): Demonstrate that the valve cannot be monitored without elevating the monitoring personnel more than two meters above a support service, as specified in Subsection I.6.a of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Comply with this requirement instead of the requirements in Subsection I.1. [LAC 33:III.5109.A]  
920 Valves in gas/vapor service and in light liquid service (difficult-to-monitor): VOC, Total monitored by the regulation's specified method(s) at the regulation's specified frequency. Maintain a written plan that requires monitoring of the valve at least once per calendar year, as specified in Subsection I.6.c of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Monitor using the method specified in Subsection P.2. Comply with this requirement instead of the requirements in Subsection I.1. [LAC 33:III.5109.A]  
Which Months: All Year Statistical Basis: None specified

## SPECIFIC REQUIREMENTS

AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery

Activity Number: PER20060012

Permit Number: 3039-V0

Air - Title V Regular Permit Major Mod

### GRP031 GME Facility

921 Instrument systems and pressure relief devices in liquid service; pumps, valves, connectors, and agitators in heavy liquid service; connectors < 1 inch in inside diameter in gas/vapor or light liquid service: VOC, Total monitored by the regulation's specified method(s) within 5 days of finding evidence of a potential leak by visual, audible, olfactory, or any other detection method, as specified in Subsection K. 1 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Monitor using the method specified in Subsection P.2. If an instrument reading of 2000 ppm or greater for pumps or 1000 ppm or greater for valves, connectors, instrument systems, or pressure relief devices is measured, a leak is detected. If a leak is detected, initiate repair provisions specified in Subsection K.3. [LAC 33:III.5109.A]

922 Instrument systems and pressure relief devices in liquid service; pumps, valves, connectors, and agitators in heavy liquid service; connectors < 1 inch in inside diameter in gas/vapor or light liquid service: Repair leaks as soon as practicable, but not later than 15 calendar days after a leak is detected, except as provided in Section M, as specified in Subsection K.3 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Make a first attempt at repair no later than 5 calendar days after each leak is detected. [LAC 33:III.5109.A]

923 Surge control vessels and bottoms receivers: Equip each surge control vessel and bottoms receiver that is not routed back to the process with a closed-vent system that routes the organic vapors vented from the vessel back to the process or to a control device that complies with the requirements of Section N or to an alternate method of control which has been approved by DEQ, as specified in Section L of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). [LAC 33:III.5109.A]

924 Repair equipment before the end of the next process unit shutdown, if repair is technically infeasible with a process unit shutdown, as specified in Subsection M.1 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). [LAC 33:III.5109.A]

925 Connectors in gas/vapor service and in light liquid service  $\geq$  one inch in inside diameter size: VOC, Total monitored by the regulation's specified method(s) once initially, as specified in Subsections O.1 and O.2 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Monitor using the method specified in Section P. If an instrument reading  $\geq$  1000 ppm is measured, a leak is detected. If a leak is detected, initiate repair provisions specified in Subsection O.9, except as provided in Section M. [LAC 33:III.5109.A]

Which Months: All Year Statistical Basis: None specified

926 Connectors in gas/vapor service and in light liquid service  $\geq$  one inch in inside diameter size (percent of leaking connectors  $\leq$  2): VOC, Total monitored by the regulation's specified method(s) annually, as specified in Subsections O.2 and O.4 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). . Monitoring must be performed in the same calendar quarter as the previous monitoring. Monitor using the method specified in Section P. If an instrument reading  $\geq$  1000 ppm is measured, a leak is detected. If a leak is detected, initiate repair provisions specified in Subsection O.9, except as provided in Section M. [LAC 33:III.5109.A]

Which Months: All Year Statistical Basis: None specified

927 Connectors in gas/vapor service and in light liquid service  $\geq$  one inch in inside diameter size (percent of leaking connectors  $>$  2): VOC, Total monitored by the regulation's specified method(s) quarterly until good performance is obtained or until four quarterly monitorings have been performed, as specified in Subsections O.2 and O.5 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). If good performance has not been obtained after four quarters of monitoring, monitor the remaining unchecked connectors within three months of the last quarterly monitoring period, as specified in Subsection O.6 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). If monitoring of the remaining connectors indicates good performance, monitor in accordance with Subsection O.4. If monitoring of the remaining connectors indicates that good performance has not been obtained, monitor in accordance with Subsection O.5. Monitor using the method specified in Section P. If an instrument reading  $\geq$  1000 ppm is measured, a leak is detected. If a leak is detected, initiate repair provisions specified in Subsection O.9, except as provided in Section M. [LAC 33:III.5109.A]

Which Months: All Year Statistical Basis: None specified

## SPECIFIC REQUIREMENTS

AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery

Activity Number: PER20060012

Permit Number: 3039-V0

Air - Title V Regular Permit Major Mod

### GRP031 GME Facility

- 928 Connectors in gas/vapor service and in light liquid service  $\geq$  one inch in inside diameter size (welded completely around the circumference of the interface or physically removed and the pipe welded together): Equipment/operational data monitored by the regulation's specified method(s) within three months after being welded. Check the integrity of the weld by monitoring according to the procedures in Section P or by testing using x-ray, acoustic monitoring, hydrotesting, or other applicable method, as specified in Subsection O.7 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Comply with this requirement instead of the requirements in Subsection O. [LAC 33:III.5109.A]
- Which Months: All Year Statistical Basis: None specified
- 929 Connectors in gas/vapor service and in light liquid service  $\geq$  one inch in inside diameter size (opened or otherwise had the seal broken): VOC, Total monitored by the regulation's specified method(s) at the regulation's specified frequency. Monitor for leaks after being returned to VOTAP service during the next scheduled monitoring period, as specified in Paragraph O.8 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Monitor using the method specified in Section P. If the follow-up monitoring detects a leak, initiate repair provisions specified in Subsection O.9, unless it is determined to be unrepairable, in which case it is counted as unrepairable. [LAC 33:III.5109.A]
- Which Months: All Year Statistical Basis: None specified

- 930 Connectors in gas/vapor service and in light liquid service  $\geq$  one inch in inside diameter size: Repair Leaks as soon as practicable, but not later than 15 calendar days after a leak is detected. Make a first attempt at repair no later than 5 calendar days after each leak is detected. If a leak is detected, monitor the for leaks within the first 90 days after its repair, as specified in Subsection O.9 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). [LAC 33:III.5109.A]
- 931 Connectors in gas/vapor service and in light liquid service  $\geq$  one inch in inside diameter size (unsafe-to-monitor): Determine that the connector is unsafe to monitor because personnel would be exposed to an immediate danger as a result of complying with Subsections O.2 through O.6, as specified in Subsection O.10.a of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Comply with this requirement instead of the requirements in Subsection O.1. [LAC 33:III.5109.A]

- 932 Connectors in gas/vapor service and in light liquid service  $\geq$  one inch in inside diameter size (unsafe-to-monitor): VOC, Total monitored by the regulation's specified method(s) at the regulation's specified frequency. Maintain a written plan that requires monitoring as frequently as practicable during safe to monitor periods, as specified in Subsection O.10.b of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Monitor using the method in Section P. Comply with this requirement instead of the requirements in Subsection O.1. [LAC 33:III.5109.A]
- Which Months: All Year Statistical Basis: None specified
- 933 Connectors in gas/vapor service and in light liquid service  $\geq$  one inch in inside diameter size (inaccessible or glass or glass-lined): Repair leaks as soon as practicable, but no later than 15 calendar days after detecting a leak by visual, audible, olfactory or other means, except as specified in Subsection O.8, as specified in Subsection O.11.b of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Make a first attempt at repair no later than 5 calendar days after the leak is detected, as specified in Subsection O.11.c of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Comply with this requirement instead of the monitoring requirements of Subsection O.2 through O.6 and the recordkeeping and reporting requirements. [LAC 33:III.5109.A]

- 934 Connectors in gas/vapor service and in light liquid service  $\geq$  one inch in inside diameter size: Calculate the percent leaking connectors using the equation in Subsection O.12 for use in determining the monitoring frequency, as specified in Subsection O.12 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). [LAC 33:III.5109.A]
- 935 Comply with the test methods and procedures in Section P, as specified in Subsections P.1 through P.5 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). [LAC 33:III.5109.A]
- 936 Attach a weatherproof and readily visible identification, marked with the equipment identification, to leaking equipment, as specified in Subsection Q.2 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). [LAC 33:III.5109.A]
- 937 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in Subsections Q.1 through Q.13 as applicable, as specified in Section Q of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). [LAC 33:III.5109.A]
- 938 Submit statement: Due in writing by 90 days after approval of the Compliance Plan/Certificate of Compliance. Submit the information specified in Subsections R.1 and R.3, as specified in Subsections R.1 and R.3 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). [LAC 33:III.5109.A]

## SPECIFIC REQUIREMENTS

AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery

Activity Number: PER20060012

Permit Number: 3039-V0

Air - Title V Regular Permit Major Mod

### **GRP031 GME Facility**

- 939 Submit report: Due quarterly starting three months after the initial report required in Subsection R.1. Include the information specified in Paragraphs R.2.a through R.2.e, as specified in Subsection R.2 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). [LAC 33:III.5109.A]
- 940 Valves in gas/vapor service and in light liquid service (skip period leak detection and repair): Notify DEQ 30 days before implementing any of the alternate provisions of Section I, as specified in Subsection R.4 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). [LAC 33:III.5109.A]
- 941 Achieve compliance with ambient air standards unless it can be demonstrated to the satisfaction of DEQ that compliance with an ambient air standard would be economically infeasible; that emissions could not reasonably be expected to pose a threat to public health or the environment; and that emissions would be controlled to a level that is Maximum Achievable Control Technology. [LAC 33:III.5109.B.3]
- 942 Determine the status of compliance, beyond the property line, with applicable ambient air standards listed in LAC 33:III.5112.Table 51.2. [LAC 33:III.5109.B.]
- 943 Develop a standard operating procedure (SOP) within 120 days after achieving or demonstrating compliance with the standards specified in LAC 33:III.Chapter 51. Detail in the SOP all operating procedures or parameters established to ensure that compliance with the applicable standards is maintained and address operating procedures for any monitoring system in place, specifying procedures to ensure compliance with LAC 33:III.5113.C.5. Make a written copy of the SOP available on site or at an alternate approved location for inspection by DEQ. Provide a copy of the SOP within 30 days upon request by the department. [LAC 33:III.5109.C]
- 944 Obtain a Louisiana Air Permit in accordance with LAC 33:III.5111.B and C and in accordance with LAC 33:III.1701, before commencement of the construction of any new source. [LAC 33:III.5111.A.1]
- 945 Obtain a permit modification in accordance with LAC 33:III.5111.B and C before commencement of any modification not specified in a compliance plan submitted under LAC 33:III.5109.D, if the modification will result in an increase in emissions of any toxic air pollutant or will create a new point source. [LAC 33:III.5111.A.2.a]
- 946 Do not commence construction or modification of any major source without first obtaining written authorization from DEQ, as specified. [LAC 33:III.5111.A.]
- 947 Submit notification in writing: Due to the Office of Environmental Compliance, Emergency and Radiological Services Division, SPOC, not more than 60 days nor less than 30 days prior to initial start-up. Submit the anticipated date of the initial start-up. [LAC 33:III.5113.A.1]
- 948 Submit notification in writing: Due to the Office of Environmental Compliance, Emergency and Radiological Services Division, SPOC, within 10 working days after the actual date of initial start-up of the source. Submit the actual date of initial start-up of the source. [LAC 33:III.5113.A.2]
- 949 Ensure that all testing done to determine the emission of toxic air pollutants, upon request by the department, is conducted by qualified personnel. [LAC 33:III.5113.B.1]
- 950 Provide necessary sampling and testing facilities, exclusive of instruments and sensing devices, as needed to properly determine the emission of toxic air pollutants, upon request of the department. [LAC 33:III.5113.B.3]
- 951 Provide emission testing facilities as specified in LAC 33:III.5113.B.4.a through e. [LAC 33:III.5113.B.4]
- 952 Analyze samples and determine emissions within 30 days after each emission test has been completed. [LAC 33:III.5113.B.5]
- 953 Submit certified letter: Due to the Office of Environmental Assessment, Air Quality Assessment Division, before the close of business on the 45th day following the completion of the emission test. Report the determinations of the emission test. [LAC 33:III.5113.B.5]
- 954 Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of emissions testing. Retain records of emission test results and other data needed to determine emissions. Retained records at the source, or at an alternate location approved by DEQ for a minimum of two years, and make available upon request for inspection by DEQ. [LAC 33:III.5113.B.6]
- 955 Submit notification: Due to the Office of Environmental Assessment, Air Quality Assessment Division, at least 30 days before the emission test. Submit notification of emission test to allow DEQ the opportunity to have an observer present during the test. [LAC 33:III.5113.B.7]
- 956 Maintain and operate each monitoring system in a manner consistent with good air pollution control practices for minimizing emissions. Repair or adjust any breakdown or malfunction of the monitoring system as soon as practicable after its occurrence. [LAC 33:III.5113.C.1]
- 957 Conduct performance evaluation of the monitoring system when required at any other time requested by DEQ. [LAC 33:III.5113.C.2]
- 958 Submit performance evaluation report: Due to the Office of Environmental Assessment, Air Quality Assessment Division, within 60 days of the monitoring system performance evaluation. [LAC 33:III.5113.C.2]

## SPECIFIC REQUIREMENTS

AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery

Activity Number: PER20060012

Permit Number: 3039-V0

Air - Title V Regular Permit Major Mod

### GRP031 GME Facility

- 959 Submit notification in writing: Due to the Office of Environmental Assessment, Environmental Technology Division at least 30 days before a performance evaluation of the monitoring system to begin. [LAC 33:III.5113.C.2]
- 960 Install a monitoring system on each effluent or on the combined effluent, when monitoring is required and the effluents from a single source, or from two or more sources subject to the same emission standards, are combined before being released to the atmosphere. If two or more sources are not subject to the same emission standards, install a separate monitoring system on each effluent, unless otherwise specified. If the applicable standard is a mass emission standard and the effluent from one source is released to the atmosphere through more than one point, install a monitoring system at each emission point unless DEQ approves the installation of fewer systems. [LAC 33:III.5113.C.3]
- 961 Evaluate the performance of continuous monitoring systems, upon request by DEQ, in accordance with the requirements and procedures contained in the applicable performance specification of 40 CFR Part 60, appendix B. [LAC 33:III.5113.C.5.a]
- 962 Submit report: Due to DEQ within 60 days of the performance evaluation of the CMS, if requested. Furnish DEQ with two or more copies of a written report of the test results within 60 days. [LAC 33:III.5113.C.5.a]
- 963 Install all continuous monitoring systems or monitoring devices to make representative measurements under variable process or operating parameters, if required to install a CMS. [LAC 33:III.5113.C.5.d]
- 964 Collect and reduce all data as specified in LAC 33:III.5113.C.5.e.i and ii, if required to install a CMS. [LAC 33:III.5113.C.5.e]
- 965 Submit plan: Due to the Office of Environmental Assessment, Air Quality Assessment Division, within 90 days after DEQ requests either the initial plan or an updated plan, if required by DEQ to install a continuous monitoring system. Submit for approval a plan describing the affected sources and the methods for ensuring compliance with the continuous monitoring system. [LAC 33:III.5113.C.5]
- 966 Maintain records of monitoring data, monitoring system calibration checks, and the occurrence and duration of any period during which the monitoring system is malfunctioning or inoperative. Maintain these records at the source, or at an alternative location approved by DEQ, for a minimum of three years and make available, upon request, for inspection by DEQ. [LAC 33:III.5113.C.7]
- 967 An individual or company contracted to perform a demolition or renovation activity which disturbs RACM must be recognized by the Licensing Board for Contractors to perform asbestos abatement, and shall meet the requirements of LAC 33:III.5151.F.2 and F.3 for each demolition or renovation activity. [LAC 33:III.5151.F.1.f]
- 968 Activate the preplanned abatement strategy listed in LAC 33:III.5611.Table 5 when the administrative authority declares an Air Pollution Alert. [LAC 33:III.5609.A.1.b]
- 969 Activate the preplanned strategy listed in LAC 33:III.5611.Table 6 when the administrative authority declares an Air Pollution Warning. [LAC 33:III.5609.A.2.b]
- 970 Activate the preplanned abatement strategy listed in LAC 33:III.5611.Table 7 when the administrative authority declares an Air Pollution Emergency. [LAC 33:III.5609.A.3.b]
- 971 Prepare standby plans for the reduction of emissions during periods of Air Pollution Alert, Air Pollution Warning and Air Pollution Emergency. Design standby plans to reduce or eliminate emissions in accordance with the objectives as set forth in LAC 33:III.5611.Tables 5, 6, and 7. [LAC 33:III.5609.A]
- 972 Submit standby plan for the reduction or elimination of emissions during an Air Pollution Alert, Air Pollution Warning, or Air Pollution Emergency: Due within 30 days after requested by the administrative authority. [LAC 33:III.5611.A]
- 973 During an Air Pollution Alert, Air Pollution Warning or Air Pollution Emergency, make the standby plan available on the premises to any person authorized by the department to enforce these regulations. [LAC 33:III.5611.B]
- 974 Comply with the provisions in 40 CFR 68, except as specified in LAC 33:III.5901. [LAC 33:III.5901.A]
- 975 Identify hazards that may result from accidental releases of the substances listed in 40 CFR 68.130, Table 59.0 of LAC 33:III.5907, or Table 59.1 of LAC 33:III.5913 using appropriate hazard assessment techniques, design and maintain a safe facility, and minimize the off-site consequences of accidental releases of such substances that do occur. [LAC 33:III.5907]
- 976 Submit registration: Due January 31, 1998, or within 60 days after the source becomes subject to LAC 33:III Chapter 59, whichever is later. Include the information listed in LAC 33:III.5911.B, and submit to the Department of Environmental Quality, Office of Environmental Compliance, Emergency and Radiological Services Division. [LAC 33:III.5911.A]

## SPECIFIC REQUIREMENTS

AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery

Activity Number: PER20060012

Permit Number: 3039-V0

Air - Title V Regular Permit Major Mod

### GRP031 GME Facility

- 977 Submit amended registration: Due to the Department of Environmental Quality, Office of Environmental Compliance, Emergency and Radiological Services Division, within 60 days after the information in the submitted registration is no longer accurate. [LAC 33:III.5911.C]
- 978 Install air pollution control facilities whenever practically, economically, and technologically feasible. When facilities have been installed on a property, use them and diligently maintain them in proper working order whenever any emissions are being made which can be controlled by the facilities, even though the ambient air quality standards in affected areas are not exceeded. [LAC 33:III.905]
- 979 Provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities, exclusive of instruments and sensing devices as may be necessary for proper determination of emission limits. [LAC 33:III.913]
- 980 Where, upon written application of the responsible person or persons, the administrative authority finds that by reason of exceptional circumstances strict conformity with any provisions of these regulations would cause undue hardship, would be unreasonable, impractical or not feasible under the circumstances, the administrative authority may permit a variance from these regulations. [LAC 33:III.917.A]
- 981 No variance may permit or authorize the maintenance of a nuisance, or a danger to public health or safety. [LAC 33:III.917.B]
- 982 Submit Emission Inventory (EI)/Annual Emissions Statement: Due annually, by the 31st of March for the period January 1 to December 31 of the previous year unless otherwise directed. Submit emission inventory data in the format specified by the Office of Environmental Assessment, Air Quality Assessment Division. Include all data applicable to the emissions source(s), as specified in LAC 33:III.919.A-D. [LAC 33:III.919.D]
- 983 Report the unauthorized discharge of any air pollutant into the atmosphere in accordance with LAC 33:1.Chapter 39, Notification Regulations and Procedures for Unauthorized Discharges. Submit written reports to the department pursuant to LAC 33:1.3925. Submit timely and appropriate follow-up reports detailing methods and procedures to be used to prevent similar atmospheric releases. [LAC 33:III.927]
- 984 No person or group of persons shall allow particulate matter or gases to become airborne in amounts which cause the ambient air quality standards to be exceeded. [LAC 33:III.929.A]
- 985 Equip each drain with water seal controls. Subpart QQQ. [40 CFR 60.692-2(a)(1)]
- 986 Equipment/operational data monitored by visual inspection/determination once initially and monthly thereafter. Monitor drains in active service for indications of low water levels or other conditions that would reduce the effectiveness of the water seal controls. Subpart QQQ. [40 CFR 60.692-2(a)(2)]
- Which Months: All Year Statistical Basis: None specified
- 987 Equipment/operational data monitored by visual inspection/determination once initially and weekly thereafter. Monitor drains out of active service for indications of low water levels or other problems that could result in VOC emissions. Subpart QQQ. [40 CFR 60.692-2(a)(3)]
- Which Months: All Year Statistical Basis: None specified
- 988 Equipment/operational data monitored by technically sound method once initially and semiannually thereafter. Monitor the tightly sealed cap or plug over a drain that is out of service to ensure cap or plug are in place and properly installed. Subpart QQQ. [40 CFR 60.692-2(a)(4)]
- Which Months: All Year Statistical Basis: None specified
- 989 Add water or make first attempt at repair as soon as practicable, but not later than 24 hours after low water levels or missing or improperly installed caps or plugs are detected, except as specified in 40 CFR 60.692-6. Subpart QQQ. [40 CFR 60.692-2(a)(5)]
- 990 Junction boxes: Equip with a cover. Ensure vent pipes are at least 90 cm (3 ft) in length and do not exceed 10.2 cm (4 in) in diameter. Subpart QQQ. [40 CFR 60.692-1]
- 991 Junction boxes: Cover must have a tight seal around the edge and be kept in place at all times, except during inspection and maintenance. Subpart QQQ. [40 CFR 60.692-2(b)(2)]
- 992 Junction boxes: Equipment/operational data monitored by visual inspection/determination once initially and semiannually thereafter. Monitor to ensure the cover is in place and to ensure that the cover has a tight seal around the edge. Subpart QQQ. [40 CFR 60.692-2(b)(3)]
- Which Months: All Year Statistical Basis: None specified

## SPECIFIC REQUIREMENTS

AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery

Activity Number: PER20060012

Permit Number: 3039-Y0

Air - Title V Regular Permit Major Mod

### GRP031 GME Facility

- 993 Junction boxes: Make a first effort at repair as soon as practicable, but not later than 15 calendar days after a broken seal or gap is identified, except as provided in 40 CFR 60.692-6. Subpart QQQ. [40 CFR 60.692-2(b)(4)]
- 994 Sewer lines: Ensure that sewer lines are not open to the atmosphere and are covered or enclosed in a manner so as to have no visual gaps or cracks in joints, seals, or other emission interfaces. Subpart QQQ. [40 CFR 60.692-2(c)(1)]
- 995 Sewer lines: Equipment/operational data monitored by visual inspection/determination once initially and semiannually thereafter. Monitor the portion of each unburied sewer line for indication of cracks, gaps, or other problems that could result in VOC emissions. Subpart QQQ. [40 CFR 60.692-2(c)(2)]
- Which Months: All Year Statistical Basis: None specified
- 996 Sewer lines: Make repairs as soon as practicable, but not later than 15 calendar days after cracks, gaps, or other problems are detected, except as specified in 40 CFR 60.692-6. Subpart QQQ. [40 CFR 60.692-2(c)(3)]
- 997 Do not route refinery wastewater routed through new drains and a new first common downstream junction box, either as part of a new or existing individual drain system, through a downstream catch basin. Subpart QQQ. [40 CFR 60.692-2(e)]
- 998 Equip and operate each oil-water separator tank, sump oil tank, storage vessel, or other auxiliary equipment with a fixed roof, which meets the specifications in 40 CFR 60.692-3(a) through (a)(5), except as provided in 40 CFR 60.692-3(d) or 60.693-2. Subpart QQQ. [40 CFR 60.692-3(a)]
- 999 Equip and operate each oil-water separator tank or auxiliary equipment with a design capacity to treat more than 16 liters per second (250 gpm) with a closed vent system and control device, which meet the requirements 40 CFR 60.692-5, except as provided in 40 CFR 60.692-3(c) or 60.693-2. Subpart QQQ. [40 CFR 60.692-3(b)]
- 1000 Meet the requirements of 40 CFR 60.692-3(a), or comply with the requirements of 40 CFR 60.692-3(a) for the existing fixed roof covering a portion of the separator tank and comply with the requirements for floating roofs in 40 CFR 60.693-2 for the remainder of the separator tank. Subpart QQQ. [40 CFR 60.692-3(c)]
- 1001 Ensure that sump oil from an oil-water separator tank and oily wastewater from sump oil handling equipment is collected, stored, transported, recycled, reused, or disposed of in an enclosed system. Equip equipment used in handling sump oil with a fixed roof meeting the requirements of 40 CFR 60.692-3(a). Subpart QQQ. [40 CFR 60.692-3(e)]
- 1002 Comply with the requirements of 40 CFR 60.18. Subpart QQQ. [40 CFR 60.692-5(c)]
- 1003 Closed vent system: Design and operate with no detectable emissions, as indicated by an instrument reading of less than 500 ppm above background, as determined during the initial and semiannual inspections by the methods specified in 40 CFR 60.696. Subpart QQQ. [40 CFR 60.692-5(e)(1)]
- 1004 Closed vent system: Purge to direct vapor to the control device. Subpart QQQ. [40 CFR 60.692-5(e)(2)]
- 1005 Closed vent system: Install a flow indicator on a vent stream to a control device to ensure the vapors are being routed to the device. Subpart QQQ. [40 CFR 60.692-5(e)(3)]
- 1006 Closed vent system: Make first efforts at repair to eliminate emissions as soon as practicable, but not later than 30 calendar days from the date emissions from a closed system are detected, except as provided in 40 CFR 60.692-6. Subpart QQQ. [40 CFR 60.692-5(e)(5)]
- 1007 Comply with the monitoring requirements of 40 CFR 60.18(f)(2). Subpart QQQ. [40 CFR 60.695(a)(4)]
- 1008 Before using any equipment installed in compliance with 40 CFR 60.692-2, 60.692-3, 60.692-4, 60.692-5, or 60.693, inspect such equipment for indication of potential emissions, defects, or other problems that may cause requirements of 40 CFR 60 Subpart QQQ not to be met. Subpart QQQ. [40 CFR 60.696(a)]
- 1009 Use 40 CFR 60, Appendix A, Method 21 to measure emission concentrations, using 500 ppm as the no detectable emission limit. Calibrate the instrument each day before using. Subpart QQQ. [40 CFR 60.696(b)]
- 1010 Determine compliance by conducting a performance test initially, and at other times as requested by DEQ, using the test methods and procedures in 40 CFR 60.18(f). Subpart QQQ. [40 CFR 60.696(c)]
- 1011 Retain all records required by 40 CFR 60 Subpart QQQ for a period of 2 years after being recorded unless otherwise noted. Subpart QQQ. [40 CFR 60.697(a)]
- 1012 Inspection records recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep the records specified in 40 CFR 60.697(b)(1) through (b)(3). Subpart QQQ. [40 CFR 60.697(b)]
- 1013 Inspection records recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the location, date, and corrective action for inspections required by 40 CFR 60.692-3(a) when a problem is identified that could result in VOC emissions. Subpart QQQ. [40 CFR 60.697(c)]

## SPECIFIC REQUIREMENTS

AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery

Activity Number: PER20060012

Permit Number: 3039-V0

Air - Title V Regular Permit Major Mod

### GRP031 GME Facility

- 1014 Closed vent systems: Inspection records recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the location, date, and corrective action for inspections required by 40 CFR 60.692-5(e) during which detectable emissions are measured or a problem is identified that could result in VOC emissions. Subpart QQQ. [40 CFR 60.697(d)]
- 1015 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep the records specified in 40 CFR 60.697(e)(1) through (e)(4), as applicable. Subpart QQQ. [40 CFR 60.697(e)]
- 1016 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 60.697(f)(1) through (f)(3) for the life of the source in a readily accessible location. Subpart QQQ. [40 CFR 60.697(f)]
- 1017 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep plans or specifications which indicate the location of out-of-active service drains covered by tightly sealed caps or plugs for the life of the facility in a readily accessible location. Subpart QQQ. [40 CFR 60.697(g)]
- 1018 Submit Notification: Due within 60 days after initial startup. Submit a certification that the equipment necessary to comply with 40 CFR 60 Subpart QQQ has been installed and that the required initial inspections or tests of process drains, sewer lines, junction boxes, oil-water separators, and closed vent systems and control devices have been carried out in accordance with 40 CFR 60 Subpart QQQ. Thereafter, submit a certification semiannually that all of the required inspections have been carried out in accordance with 40 CFR 60 Subpart QQQ. Subpart QQQ. [40 CFR 60.698(b)(1)]
- 1019 Submit Performance Test Results: Due within 60 days after initial startup, as required under 40 CFR 60.8(a). Submit a report of the results of the performance test required in 40 CFR 60.696(c). Subpart QQQ. [40 CFR 60.698(b)(2)]
- 1020 Submit report: Due initially and semiannually thereafter. Submit a report that summarizes all inspections when a water seal was dry or otherwise breached, when a drain cap or plug was missing or improperly installed, or when cracks, gaps, or other problems were identified that could result in VOC emissions, including information about the repairs or corrective action taken. Subpart QQQ. [40 CFR 60.698(c)]
- 1021 Submit report: Due semiannually. Submit a report containing the information specified in 40 CFR 60.698(d)(1) through (d)(3), as applicable. Subpart QQQ. [40 CFR 60.698(d)]
- 1022 All affected facilities shall comply with all applicable provisions in 40 CFR 60 Subpart A. [40 CFR 60]
- 1023 Provide DEQ with written notice of intention to demolish or renovate prior to performing activities to which 40 CFR 61 Subpart M applies. Delivery of the notice by U.S. Postal Service, commercial delivery service, or hand delivery is acceptable. [40 CFR 61.145(b)(1)]
- 1024 Do not install or reinstall on a facility component any insulating materials that contain commercial asbestos if the materials are either molded and friable or wet-applied and friable after drying. Subpart M. [40 CFR 61.148]
- 1025 Benzene: Permittee shall comply with all the applicable requirements of the alternative requirements of paragraphs 40 CFR 61.342(c) and (d). The permittee shall manage and treat facility waste with a flow weighted annual average water content of less than 10 percent in accordance with 40 CFR 61.342(c)(1). The benzene quantity for the wastes described in 40 CFR 61.342(e)(2) shall be equal to or less than 6.6 tons per year, as determined in 40 CFR 61.355(k). Subpart FF. [40 CFR 61.342(e)]
- 1026 Benzene: Permittee shall comply with all the applicable recordkeeping requirements as stated in 40 CFR 61.356 and all the applicable reporting requirements of 40 CFR 61.357. Subpart FF. [40 CFR 61.356(a)(4), 40 CFR 61.357]
- 1027 All affected facilities shall comply with all applicable provisions in 40 CFR 61 Subpart A. [40 CFR 61]
- 1028 All affected facilities shall comply with all applicable provisions in 40 CFR 63 Subpart A. [40 CFR 63]
- 1029 Submit Title V permit application for renewal: Due 180 calendar days before permit expiration date. [40 CFR 70.5(a)(1)(iii)]
- 1030 Submit Title V monitoring results report: Due semiannually, by March 31st and September 30th for the preceding periods encompassing July through December and January through June, respectively. Submit reports to the Office of Environmental Compliance, Surveillance Division. Certify reports by a responsible company official. Clearly identify all instances of deviations from permitted monitoring requirements. For previously reported deviations, in lieu of attaching the individual deviation reports, clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. [40 CFR 70.6(a)(3)(iii)(A)]

## SPECIFIC REQUIREMENTS

AI ID: 3165 - Marathon Petroleum Co LLC - LA Refining Division - Garyville Refinery

Activity Number: PER200060012

Permit Number: 3039-V0

Air - Title V Regular Permit Major Mod

### GRP031 GME Facility

- 1031 Submit Title V excess emissions report: Due quarterly, by June 30, September 30, December 31, March 31. Submit reports of all permit deviations to the Office of Environmental Compliance, Surveillance Division. Certify all reports by a responsible official in accordance with 40 CFR 70.5(d). The reports submitted on March 31 and September 30 may be consolidated with the semi-annual reports required by 40 CFR 70.6(a)(3)(iii)(A) as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. [40 CFR 70.6(a)(3)(iii)(B)]
- 1032 Submit Title V compliance certification: Due annually, by the 31st of March. Submit to the Office of Environmental Compliance, Surveillance Division. [40 CFR 70.6(c)(5)(iv)]
- 1033 Comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for Motor Vehicle Air Conditioners (MVACs) in Subpart B. [40 CFR 82. Subpart F]